2019

THERMCO® PRODUCTS, INC

ISO/IEC 17025:2005
Accredited Laboratory

PRECISION
monitoring & recording Instruments

Temperature & Humidity Data Loggers
Wireless Temperature & Humidity Monitors
Digital Thermometers / Hygrometers
Glass Thermometers / Hydrometers

CALL: (973) 300-9100
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DATA LOGGERS

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RECERTIFICATION

Dual Probe Vaccine Temperature Data Logger w/ Software-Less Reporting

Exceeds CDC & VFC Data Logger Requirements for Vaccine Temperature Monitoring and Compliance

Thermco's new Dual Probe Data Logger is the most powerful logger to date. Designed to meet today's CDC's and VFC's requirements for vaccine storage and monitoring. Monitor both the refrigerator and freezer temperatures simultaneously or add the optional ACCRTAMB ambient temperature sensor and log the room temperature, and either a refrigerator or freezer. The ACCRT8017 can record 24 million records. Each record contains... date, time, sensor temp readings, sensor status: normal - hi alarm - low alarm – sensor failure, and battery status: charging or power level remaining. ACCRT8017 is a self-contained data logger that requires No PC Software to generate a complete Excel csv report. Large easy to read display for viewing both channels current-min-max temperatures plus time and battery status. Each data logger is certified, serialized and traceable to NIST from Thermco's own ISO17025 calibration laboratory, accredited by ilac-mra to assure accuracy and compliance with all regulatory requirements. (accreditation no. 69071)
Available soon... Flash-ALERT SD Memory/Wi-Fi Card accessory for ACCRT8017 that will upgrade the data logger with the following functions... Wireless Email and SMS Alerts, 2 Daily Status Reports, and a Real-Time Dashboard via Web Browser.

FEATURES:

- *EXCEEDS Current CDC & VFC Requirements for Vaccine Storage and Monitoring*
- *NIST/ ilac-MRA Traceable Certificate Supplied*
- *High Accuracy ±0.3°C (±0.6°F)*
- *Log 24 Million Readings on 2G Micro SD Card*
- *Data File in Excel .CSV Format*
- *Retrieve Data from Logger with Removable*
- *SD Memory Card or by USB cable to PC*
- *Logger Records Date, Time, P1 & P2 Temp, and Battery Level in CSV file*
- *Logging Interval Selectable from 1 to 720 Minutes*
- *Detachable Shatter Proof Vaccine Size Bottle Probes*
- *Bottles Filled with Bio-Safe Glycol Buffer Medium*
- *Large LCD Display shows Current Min Max Temperature for each Sensor plus Time and Low Battery Indication*
- *User Adjustable Low and High Alarm Limits Setting for Each Sensor*
- *Audible and Flashing LED Alarm Indicators*
- *Temperatures in °C or °F*
- *Time in 12 or 24 Hour Format*
- *Flip Out Desk Stand*
- *Battery Life About 10 Months in Continuous Operation with no alarms*

SPECIFICATIONS:

Measuring Range	Ext (Bottle Probe): -50 to 70°C (-58 to 158°F) Int (Unit): 0 to 50°C (32 to 122°F)
Display Accuracy	±0.3°C (±0.6°F) Over Full Range
Display Resolution	0.1°
Display Reading Update	10 Seconds
Memory	Removable 2G Micro SD Card (Max: 4G)
Memory Capacity	24 Million Readings
Data Logging Interval	Once Per Minute to Once Per 720 Minutes User Option
Alarm Limit Setting Resolution	0.1°
Default Alarm Value	Low -10°C, High 50°C
Time Accuracy	±1 Second Per Day
Time Display Format	12/24 Hour Format User Option
Effective Calendar Period	2016 - 2099
Battery	1.5 Volt Type AAA x 3 Pieces
Battery Life	About 8000 Hours In Continuous Operation with No Alarm Triggered
Working Ambient Temperature	0 to 50°C (32 to 122°F)
Display Size	54(W) X 64(H) mm
External Sensor Cable Length	2000 mm
External Sensor Bottle Size	19.5 Dia. X 40mm (H) Pe Bottle
Product Size	83 (W) X 120 (H) X 26 (D) mm

CATALOG NO.	DESCRIPTION
ACCRT8017	Dual Probe Vaccine Data Logger to Monitor Refrigerator or Freezer. 2yr. NIST Traceable Certificate, 2 Vaccine Bottle Sensors, 2GB Micro SD Card, Card Reader, MicroSD to SD card adapter, Mini USB Cable, 3 x AA batteries ,110v USB Power Adapter
ACCRTAMB	Optional: Ambient Room Temperature Sensor
ACCFA1	Optional: Flash-ALERT SD Memory /Wi-Fi Card Provides SMS/ Email Alerts (Information and availability soon)

Fridge-tag® 3 Wireless Vaccine Temperature Data Logger

Receive Real-time Temperature Excursion Alerts via SMS Notifications

Software-Less PDF Generation of Temperature, Alarm Data Plus Graphs

FEATURES:

- *NIST Traceable with 2yr Certificate*
- *Removable Probe*
- *True Seal Flat Ribbon Probe Cable*
- *Bio-Safe Glycol / Water Probe Medium*
- *Current Temperature Display*
- *No Software Needed for Reporting or Computer Connection*
- *30 Day Status on Screen*
- *Press for 30-Days of Min/Max History*
- *PDF report... 60 days of temperature & alarm data*
- *High/Low Alarm*
- *43,200 Temperature Observations Monthly*
- *Meets FDA 21 CFR Part 11 requirements*
- *Accuracy ±1°F (0.5°C)*
- *Weekly Graphs*
- *4 graphs – Each with 1 Week of Tempearture Data*
- *56 Days of Information*
- *Date in USA Format*
- *Date of Activation*
- *Give State Health Departments a warning when a device will be out of calibration*
- *Battery Level Indicator*
- *Showing Full, Middle and Low*

Fridge-tag® 3 is the ideal Temperature Data Logger for the continuous monitoring of sensitive Vaccines and Pharmaceuticals stored in medical refrigerators & freezers. Real-time SMS text messaging notifications of temperature excursion are transmitted wirelessy by Celluar GSM (Global System for Mobile communication). The Fridge-tag® 3 is not dependent on Wi-Fi and local networks in order to send sms messages, and even during power outages can send critical Alerts to your Cell Phone. No software needed to generate temperature & alarm data. As soon as the Fridge-Tag® 3 is connected via USB to a PC or Mac it creates a PDF and an CSV file. The PDF file provides a daily summary of temperature activity (selectable: 28, 56, 84 or 112 day overview) PLUS 8 weekly graphs of temperature performance. Temperature readings are recorded every 5 minutes and can be found in a table within the TXT file. Thanks to the electronic signature the raw data can be verified as compliant with FDA regulations 21 CFR Part 11. This means that each month you obtain a report and the assurance that your temperature-sensitive goods are stored in accordance with regulations. The data logger's external thermometer probe is sealed in a Bio-Safe glycol filled bottle to buffer temperature variations. Meets and exceeds the latest VFC CDC requirements published in the Guidelines for Storage and Temperature Monitoring of Refrigerated Vaccines

CATALOG No.	DESCRIPTION
BERFRIDGETAG3	Wireless Vaccine Data Logger, NIST Traceable Certificate, Vial & Probe Note: 2 year data plan required for SMS Alerts

SPECIFICATIONS:

External Dimensions	(L x W x H) 136 x 98 x 21 mm
Size of the LCD Display	95 x 27 mm
Weight	170 g
Storage Condition	(inactive) 0°C to +30°C +32°F to + 86°F
Operating Temperature	(Main housing) +5°C to +50°C* +41°F to +122°F (Display visible) -10°C to +55°C +14°F to +131°F
Alarm Temperature Range	-30 to +50°C in 0.1°C increments (-22 to +122°F)
Alarm Limits	2 individually programmable alarm limits (1 upper and 1 lower alarm limit)
Warning Limits	2 individually programmable alarm limits (1 upper and 1 lower alarm limit)
Alarm Time	1 Minute to 23h 59min
Temperature measurement interval	Every minute (Log interval programmable. Recommended 5, 10, 15 minutes)
Accuracy of temperature measurement	+/- 0.8°C from -25 to -10°C (+/-1.44°F from -13 to +14°F) +/- 0.5°C from -10 to +40°C (+/-0.9°F from +14 to +104°F) +/- 0.8°C from +40 to +55°C (+/-1.44°F from +104 to +131°F)
Measurement accuracy of the time	Daily time updates (depending on network operator) if not supported +/- 30 min / year
Calibration	Every device is calibrated / NIST / ILAC traceable
Memory Space	30 day as a display and 60 days overview in a PDF report
Date / Time programming	Date and time will be set automatically when device is activated (via GSM network)

Battery	Lithium Polymer Li-ion battery - Complies with IATA DGR Packaging Instruction UN3481 PI 967 section II and is therefore not considered as dangerous good.
Protection Class	IP50 (IP64 without external sensor)
2D Code on Label	GS1 and data matrix
Operating Lifetime	Min. 3 years useful life / at least 72 hours power back up
Activation	Press SET and READ button simultaneously for more than 3 seconds
Stopping	No stop function
Configuration	Pre-set by Berlinger & Co AG or for self configuration via SMS or server
Data Communication	Optional: To be pushed on a regular interval to a predefined server
Alarm Indication	Buzzer, SMS or server
Manipulation	Fridge-tag® 3 GSM cannot be manipulated or reset without destroying it.
Format of the original document	ASCII (it can also be imported by many ERP systems) / PDF
Free software for verifying PDF and ASCII Files	JAVA™ / The software verifies the digital signature of the ASCII and PDF files. FDA regulation 21 CFR Part 11 compliant. Software is compliant with GAMP 5 requirements.
Standards	ASTM 2500, 21 CFR Part 11, 21 CFR Part 820, ICH Q8/Q9, ANSI/IEEE 829/830/1008, EN 12830, 2002/95 EC Directive (RoHS), EN/IEC 60529 IP protected classes, IATA Regulations, EN 301511, EN 301489-1/7, EN 60950-1 + A2:2013, EN 62133, FCC part 15B

Fridge-tag® 2L Vaccine Data-Logger
Software-Less PDF & Graph Report Generation

NEW Model with Audible Alarm & Updated Features (in red)

Fridge Model Shown w/ Yellow Label
Freezer Model Shown w/ Blue Label

Exact measurement of temperature and time

The Fridge-tag® 2L is a high-precision, electronic temperature monitor. It is 100% calibrated and has a measurement precision of ±0.5°C. Temperature measurement occurs every minute throughout the entire monitoring time. This guarantees faultless and extremely accurate measurement results. Even if an alarm limit has been exceeded and the Fridge-tag®2L alarm is displayed, it accumulates each additional temperature threshold violation. The precision time measurement is generated by a built-in quartz clock. NIST/ILAC Traceable with 3yr. Certificate.

Data read-out without software via USB

As soon as the Fridge-tag® 2L is connected via USB to a PC or Mac, it creates a PDF or an ASCII file. Thanks to the electronic signature the raw data can be verified to be in compliance with the FDA regulations 21 CFR Part 11. Any changes are immediately recognized and the document rejected. This means that each month you obtain a report and the assurance that your temperature-sensitive goods are stored and recorded in accordance with regulations.

CATALOG No.	DESCRIPTION
BERFRIDGETAG2L	Fridge - Vaccine Data Logger w/Vial & Probe, Audible Alarm @ 2.0 to 8.0C
BERFREEZTAG2L	Freezer - Vaccine Data Logger w/Vial & Probe, Audible Alarm @ -20.0 to 1.0C
FRIDGETAG2USA	User Set Alarm Vaccine Data Logger, programmable alarm limits

FEATURES:

- ***Audible Alarm***
- ***Now with Weekly Temperature Graphs***
- ***Improved Battery Life***
- ***Battery Level Indicator***
- ***Improved LCD Contrast***
- ***Daily Verification Log w/Time-Stamp***
- *NIST Traceable with 2yr. Certificate*
- *Removable Probe*
- *True Seal Flat Ribbon Probe Cable*
- *Bio-Safe Glycol / Water Probe Medium*
- *Current Temperature Display*
- *No Software Needed for PDF Reporting*
- *30 Day Status on Screen*
- *Press for 30-Days of Min/Max History*
- *High/Low Visual Alarm*
- *43,200 Temperature Observations Monthly*
- *Meets 21 CFR Part 11 requirements*
- *Accuracy ±0.5°C (1.0°F)*

SPECIFICATIONS:

External dimensions (L x W x H)	128 x 75 x 14.5mm	Temperature measurement interval	Every minute
Size of the LCD display	95 x 27mm	Accuracy of temperature measurement	±0.5°C (-5°C to 30°C), ±0.6°C (beyond this range) ±1.0°F (+23°F to +86°F), ±1.1°F (beyond this range)
Weight	96g	Accuracy of time	±30 minutes / year
Storage condition (inactive)	-30°C to +60°C / -22°F to +140 °F	Calibration	Every device is calibrated / NIST/ILAC traceable
Operating temperature	-30°C to +55°C / -22°F to +131 °F	Date/Time programming	Date and time will be set when device is activated (see operation manual)
(Display visible)	-10°C to +55°C / +14°F to +131 °F	Protection class	IP67
Alarm temperature range	-30°C to +50°C, in 0.1°C increments / -22°F to +122°F	Operating lifetime	up to years - expiry date printed on label
Alarm limits	2 individually programmable alarm limits (1 upper and 1 lower alarm limit)	Manipulation	Fridge-tag® 2 cannot be manipulated or reset without destroying it.
Alarm time	1 Minute to 23h 59min		

LogTag® Temperature Data Logger w/ 30-Day Summary Display

Bio-Safe
Glycol / Water Bottle Medium

EXCEEDS CDC/VFC
Vaccine Monitoring Guidelines

The LogTag® TRED30-16R is a CDC / VFC compliant ISO/IEC 17025 NIST traceable temperature data logger used to monitor & record the temperatures of vaccines in refrigerators or freezers. The LogTag TRED30-16R measures and stores up to 15.9K readings over a temperature range of -40° to +99°C (-40° to +210°F) via external bottle probe. The display is designed to show "At A Glance" if temperature excursions have occurred during the current day and up to the previous 29 days. The display also shows the current temperature reading, the current time, recording status and battery status. The alarm is triggered if temperature readings are outside preset alarm limits. The status indicator changes from a ✓ to a ✕ and, if configured, the audible alarm will sound. The day marker will also appear if not already present. The alarm status indicator and audible alarm can be easily cleared, but the day marker remains to ensure a visible record of excursions is shown on the display. A simplified alarm clearance, stop & start procedure is available as an option. Details of any excursions in the preceding 30 days can be checked directly by inspecting the statistics history on the recorder's display or in more detail by downloading the logged data via a standard LogTag® Interface cradle to LogTag® Analyzer operating software.

Summary of TRED30-16R updates from previous model TRED30-7.

- *Built-in audible alarm.*
- *New, easy to read LCD display with 30 day summary in calendar format.*
- *Up to 15.9K recordings - Enough memory for 66 days at 6 minute logging.*
- *Auto-pause function - unplugging the external probe automatically suspends alarm & statistics processing.*

FEATURES:

- ***NIST Traceable w/Certificate***
- *Data Logging – Records time and temperature data for later download*
- *Day alarm summary - Displays in calendar format alarms for the last 30 days*
- *Current time & temperature - Shows the current time and temperature when not in review mode*
- *Push Button Logging start with optional delayed start or specific Time & Date start*
- *Rapid Download! Takes only seconds to download recordings*
- *'Pre-Start' logging - LogTag® can be configured to record even if it has not been started*
- *High performance at low cost*
- *Thin flat case – Fits easily into packaging and thin enough to be easily mailed "letter rate"*
- *Real time clock records time & temperature simultaneously*
- *Easy to use LogTag Analyzer software that runs on any PC configures LogTag® for recording then downloads resulting data for analysis. Data can also be exported to fomats compatible with other applications such as Excel*

CATALOG NO.	DESCRIPTION
LTTRED3016R	Temperature Data Logger - 15.9K logs w/Probe and Vial Note: LTIUSB (USB Interface Cradle) required for operation
LTTRED3016RUSB	VFC Compliant Temperature Data Logger, w/Probe, Vial and USB Interface Cradle
LTISOLOGTEMP	ISO17025/IEC Accredited Temperature Calibration
LTIUSB	USB Interface Cradle
LTBRACKET	Wall Mount Bracket

SPECIFICATIONS:

Temperature Sensor Measurement Range	-40°C ~ +99°C (-40°F ~ +210°F)
Operating Temp Range	-30°C ~ +60°C (-22°F ~ +140°F)
Storage Temp Range	-10°C ~ +40°C (-14°F ~ +104°F)
Rated Temperature Reading Accuracy	±0.5°C (±0.9°F) for -20°C to +40°C (-4°F to +104°F), typically ±0.3°C (0.6°F) ±0.8°C (±1.4°F) for -40°C to -20°C (-40°F to -4°F), Typically ±0.5°C (0.9°F)
Rated Temperature Reading Resolution	0.1°C (0.2°F) for measurements -40°C to +50°C (-40°F to +122°F) Please see the Rated Native Resolution chart above. LogTag Analyzer® currently displays to one decimal place of °C or °F. The native resolution is what is stored in the LogTag®.
Recording Capacity	15.9K temperature readings. 66 days @ 6min logging. Day summary statistics memory (for display on LCD): up to 30 days of Max/ Min/duration and alarm trigger statistics.
Sampling Frequency	Configurable from 30 seconds to hourly.
Sensor Reaction Time	Typically less than 2 minutes (T90) in moving air
Logging Start Options	Push button start or specific date & time. Optional start delay of up to 18 hours.
Recording Indication	State indicator REC
Download Time	Typically less than 10 seconds for full memory
Environmental	IP61 (when vertically mounted or hung).
Power Source	3V CR2032 (LiMnO2) coin cell battery, user replaceable
Battery Life	Typically 1 year of operation.
Size	93mm(H) x 54.5mm(W) x 8.6mm(T)
Weight	41 grams without External Probe
Case Material	Polycarbonate
Standard External Probe Cable Lengths	Standard: 1.5m (4'11"). Extended: 3m (9'10") (recommended maximum).
External Probe Type	PTFE (FDA food contact rated) coaxial.

Vaccine Temperature Data Logger
Software-Less Report Generation

Record Room Temperature and Refrigerator (or Freezer) Simultaneously

FEATURES:

- *EXCEEDS Current CDC & VFC Requirements for Vaccine Storage And Monitoring*
- ***NIST Traceable w/Certificate***
- *High Accuracy ±0.5°C (±1.0°F)*
- *Log 24 Million Readings on 2G Micro SD Card*
- *Data File in Excel .CVS Format*
- *Retrieve Data from Logger with Removable SD Memory Card or by USB cable to PC*
- *Logger Records Int/Ext Min/Max Temps into Memory*
- *Logging Interval Selectable from 1 to 720 Minutes*
- *Detachable Shatter Proof Vaccine Size Bottle Probe Filled with BioSafe Glycol*
- *Large LCD Display shows Internal / External Current Min/Max Temps, Time and Battery Strength*
- *User Adjustable Low and High Alarm Limits Setting for Each Sensor*
- *Audible and Flashing LED Alarm Indicators*
- *Temperatures in °C or °F*
- *Time in 12 or 24 Hour Format*
- *Flip Out Desk Stand*

Thermco's new **ACCRT8002** Data Logger is the most powerful logger designed to meet today's CDC's and VFC's requirements for Vaccine Storage and Monitoring. The ACCRT8002 is a **SELF CONTAINED DATA LOGGER** that requires **NO PC SOFTWARE** to generate a complete Excel CVS report. Monitor both the Ambient Room and Refrigerator (or Freezer) Temperatures Simultaneously.

Large Easy to Read Display for viewing the current Room and External Bottle Probe Temperatures -- Min and Max Recorded Temperatures -- Time and Battery Strength.

Each Thermometer is Certified, Serialized and Traceable to NIST in Thermco's own ISO17025 Calibration Laboratory, accredited by ilac-MRA to assure accuracy and compliance with all regulatory requirements. (Accreditation No. 69071)

CATALOG No.	DESCRIPTION
ACCRT8002	Ambient - Refrigerator/Freezer Vaccine Data Logger w/ Vial & Probe, Mini USB Cable, 110v USB Power Adapter Micro SD Card, USB Card Adapter

SPECIFICATIONS:

Measuring Range	External Bottle Probe: -50 to 70°C (-58 to 158°F) Internal Unit Sensor: 0 to 50°C (32 to 122°F)
Display Accuracy	±0.5°C (±0.9°F) Over Full Range
Display Resolution	0.1°
Display Reading Update	10 Seconds
Memory	Removable 2G Micro SD Card (Max: 4G)
Memory Capacity	24 Million Readings
Data Logging Interval	Once Per Minute to Once Per 720 Minutes User Option
Alarm Limit Setting Resolution	0.1°
Default Alarm Value	Low -10°C, High 50°C
Time Accuracy	±1 Second Per Day
Time Display Format	12/24 Hour Format User Option
Effective Calendar Period	2014 - 2099
Battery Life	About 8000 Hours In Continuous Operation With No Alarm Triggered
Battery	1.5 Volt Type AAA x 3 Pieces
Working Ambient Temperature	0 to 50°C (32 to 122°F)
Display Size	70(W) X 64(H) mm
External Sensor Cable Length	2000 mm
External Sensor Bottle Size	19.5 Dia. X 40mm (H) Pe Bottle
Product Size	94 (W) X 110 (H) X 25 (D) mm

Call: 973.300.9100
e-mail: Info@ThermcoProducts.com

LogTag® Humidity & Temperature Recorder

FEATURES:

- ***NIST Traceable w/Certificate***
- *Alert indicator – indicates if readings are outside of preset limits*
- *OK indicator indicates if still recording and if readings within configured limits*
- *Inspection mark in log by push button*
- *Push Button Logging start with optional delayed start or specific Time & Date start*
- *Rapid Download! Takes only seconds to download recordings*
- *Fine resolution of measurement – 0.1%RH & 0.1°C/°F*
- *'Pre-Start' logging - Logtag can be configured to record even if it has not been started.*
- *High performance at low cost*
- *Credit card sized case – thin enough to be easily mailed "letter rate".*
- *Real time clock records time & temperature simultaneously*
- *Easy to use LogTag Analyzer software that runs on any PC configures LogTag for recording then downloads resulting data for analysis. Data can also be exported to fomats compatible with other applications such as MS Excel*
- *Re-calibration to achieve higher accuracy possible*
- *Replaceable sensor air filter*

The LogTag Humidity & Temperature Recorder measures and stores up to 8000 sets of high resolution humidity and temperature readings over 0 to 100%RH & -40°C to +85°C (-40°F to +185°F) measurement ranges.
Using the LogTag Interface and LogTag's freely available companion software ***LogTag Analyzer***, the LogTag is easily set-up for recording conditions including delayed start, sampling interval, number of readings, continuous or fixed number of readings and configuration of conditions to activate the ***ALERT*** indicator. Readings are downloaded using ***LogTag Analyzer***, which provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as MS Excel.

CATALOG NO.	DESCRIPTION
LTHAXO8	Data Logger Temperature and Humidity note: LTIUSB (USB Interface Cradle) required for operration
LTISOLOGRH	Temp Humidity Certification for LTHAX08
LTIUSB	USB Interface Cradle
LTBRACKET	Wall Mount Bracket

SPECIFICATIONS:

Humidity Measurement Range:	0 ~ 100%RH but with limitations as detailed in Humidity Measurement Operating and Storage conditions below
Temperature Measurement Range:	-40 ~ +85°C (-40 ~ +185°F)
Resolution:	0.1%RH & 0.1°C/°F
Capacity:	8000 pairs of humidity & temperature readings (32Kbytes memory)
Sampling frequency:	Adjustable, 30 sec to several hours
Logging start options:	Push button start or specific date & time.
Recording indication:	Flashing 'OK' indicator flashing 'Alert' indicator.
Download Time:	Typically with full memory (8000 pairs of readings) in less than 10 seconds depending on computer or readout device used.
Environmental:	IP61 (when hung or mounted vertically)
Power source:	3V Lithium battery
Battery life:	2 ~ 3 years of normal use (based on 15 minute logging, download data monthly)
Size :	86mm(H) x 54.5mm(W) x 8.6mm(T)
Weight:	35g
Case Material:	Polycarbonate

Wall Mount Bracket
The LogTag® Wall Mount Bracket provides an easy and tidy solution to mounting a LogTag on a wall,door.

Interface Cradle
Logtag's unique interface cradle design provides rapid and reliable LogTag data transfer to Logtag Analyzer software in a matter of seconds

USB Temperature/Humidity Data Logger with Display

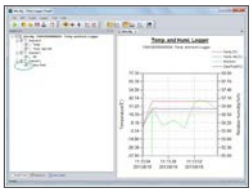
HICSSN-22 Data Logger is the perfect tool for stand alone or cold-chain monitoring and documentation of temperature and relative humidity conditions that are critical in laboratories, pharmaceutical, medical, storage, freezers, coolers, shipping containers, warehouses, environmental monitoring and food storage applications.

The HICSSN-22 can measures and record up to 16K temperature readings over -35 to +80°C (-31 to +176°F) and 16K relative humidity measurement from 0 to 100%RH.

The integral USB connector easily plugs into a computer for quick data analysis using the included DGraph software.

Real time monitoring of temperature and humidity values are displayed in the integrated LCD screen.

The data logger is supplied complete with a long-life lithium battery, which can allow logging for over 2 years, and configuration software, compatible with Windows XP / Vista / 7&8.

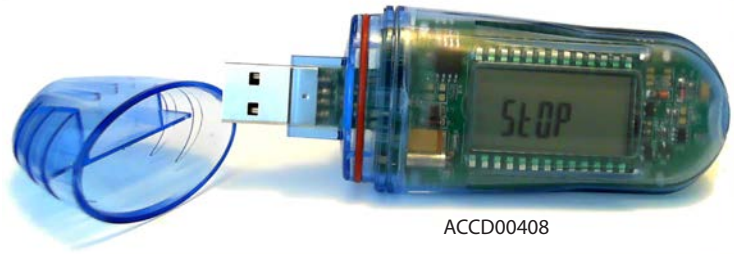


CATALOG No.	DESCRIPTION
HICSSN-22	USB Temp/Humidity Data-Logger w/Display
NIST22	NIST Certification for HICSSN-22 1 Temperature / 2 Humidity

SPECIFICATIONS:

	Relative Humidity	Temperature
Measurement range:	0~100%RH	-35~80°C (-31~176°F)
Accuracy:	±3%RH	±0.3°C (±0.5°F)
Resolution:	0.1%RH typically	0.1°C (0.2°F)
Long Term Drift:	<0.5%RH per year	Negligible
Number of Channels:	2 Channels ...humidity and temperature	
Memory Capacity:	64KBytes (total 32,000 readings for all channels)	
Sample Rate:	Can be selected from 10 seconds to 12 hours	
Operating Range:	0 to 100%RH, -35 to 80°C (-31 to 176°F)	
Alarm:	User programmable high or low alarm limit for each channel	
LEDs:	Red & Green LED: Logger Status indication.. Delay to Start, Logging, Alarm, Finished Yellow LED: Low battery indication	
PC Software:	DGraph software and USB driver Included on CD Compatible with Windows XP, Vista, 7&8 (32 bit & 64 bit)	
Power:	User replaceable 1/2AA 3.6V Lithium Battery Note: USB can supply power directly if necessary	
Battery Life:	Approx. 2 years @ 1 Minute Sample Rate Approx. 4 years @ 10 Minute Sample Rate Approx. 8 years without any sample task	
Case Material:	ABS	
Weight:	60g / 2.3oz	
Size:	12.5 * 4.3 * 2.7cm / 4.9 * 1.7 * 1.1in	

MICRO-THERM Temperature USB Data Logger



ACCD00408

Temperature & RH USB Data Logger

Back of ACCD00408RH

MICRO-THERM USB Data Loggers are small, rugged, waterproof and dust proof devices with LCD Display and built-in USB 2.0 connector for monitoring and recording temperature and/or RH. Manufactured to stringent standards, the MICRO-THERM loggers are only 4.3" long and 1" thick. The data loggers features a three digit LCD display, direct USB connection, wide temperature range, high accuracy and large 32K sampling memory. Features include analysis functionality such as Statistics Maximum, Minimum and Average, enabling a quick glance summary of the environment and historical analysis. Data can be displayed on the small numeric LCD screen or downloaded to PC via the USB 2.0 connector. To further ensure easy global usage, the battery is easily replaceable since it is a standard model used worldwide. Typical applications for this product include food, pharmaceutical, medical, storage and transportation industries.

FEATURES:

- *NIST Compliant® w/Certificate*
- *Range -40 to 80ºC, (-40 to 176ºF)*
- *High Resolution 16-Bit Logger*
- *High Accuracy 0.3°C*
- *High Sampling Rate of 1 per Second*
- *High functionality low cost multi-trip logger for an unbroken cold chain*
- *USB 2.0 interface for fast track communication and firmware updates*
- *Unique Boomerang feature that automatically creates and emails PDF data report when logger is connected to PC*
- *Rapid data download to Graph, Table view and Excel spreadsheet*
- *Built-in LCD with decimal point readings and LED alarm indicator*
- *High accuracy sensors with 16-bit resolution*
- *2-year battery life, using Nano Watt Technology*
- *Up to 32,000 sample memory accommodating long-haul transports*
- *Reed switch using magnet key to mark time stamps, activate and stop logging*
- *Built-in real-time clock and calendar*
- *Dust and water proof*
- *Cradle wall mounting for fixed monitoring*
- *Includes Mirco-Therm Lite Software and Manual*

SPECIFICATIONS:	CATALOG No. ACCD00408	ACCD00408RH
Range:	-40 to 80°C Temp	-40 to 80°C Temp 5 to 95 % RH
Accuracy:	0.3°C Temp	0.3°C Temp 2% RH
Resolution (16-bit):	0.1°C (Display) 0.06°C (Software)	0.04°C (Display) 0.06°C (Software)RH: 0.5%
Data Capacity:	32,000 Samples	32,000 Samples
Sampling Rate:	1 per second to 1 every 2 Hours	1 per second to 1 every 18 Hours
Boomerang Feature:	No	Yes
Alarms:	None	LED Indicator
Battery Life:	~ 1.5 Years	~ 2.0 Years
Dimensions with Cap:	11cm x 3.9cm x 2.6cm (4.3" x 1.5" x 1.0")	11cm x 3.9cm x 3.0cm (4.3" x 1.5" x 1.2")
Compliance:	IP68, EN12830, CE	IP54, EN12830, CE
Wall Mount:	No	Yes
Outputs:	USB 2.0 interface	
Weight:	45.5 grams (1.6oz)	
Display:	3-digit 7-segment LCD with decimal point	
Indicator:	Low battery Warning	
Battery:	Replaceable 3V Lithium Battery - CR2032	
Software:	Micro-Therm Lite for Windows (Included)	

LCD Display: When exposed to temperatures below 5°F (-15°C) Liquid Crystal Displays (LCD) lose contrast and their refresh rate slows. This may result in illegible readings shown on the display. The decline of the LCD function does not affect the sensor recording temperature and the correct values are captured.

PicoLite USB Cold Chain Data-Logger

Portable, Low Cost, Disposable

FEATURES:

- *Low cost, one-trip, disposable logger for an unbroken cold chain*
- *Internal, high accuracy temperature sensor*
- *Unique Boomerang feature that automatically creates and emails PDF data report when logger is connected to PC*
- *Direct USB interface for PC communication*
- *16,000 sample memory accommodating long-distance transports*
- *Software-enabled activation button to start logging and mark time stamps*
- *Built-in bi-color LED for logging and immediate alarm indication*
- *Supported by the complimentary DataSuite software for data analysis and alarm notification*
- *Up to 6-month battery life depending on operating conditions*
- *Water and dust resistant IP67*

PicoLite typical operating method

1 Record data using built-in temperature sensor

2 USB data download to PDF report with automatic email

3 Data analysis using integrated DataSuite software

NEW RELEASE

webboomerang™

The New PicoLite Cloud Solution
Sending Trip Reports Just Got Easier!

Effective cold chain processes require control over the quality of perishable goods and compliancy with the highest industry standards. The compact and easy-to-use disposable PicoLite USB data logger provides a simple solution for temperature monitoring, throughout mass transportation cold chain processes. Featuring a built-in temperature sensor, activation button, bi-color LED and direct USB connectivity, the PicoLite offers a plug and record solution for every application. The PicoLite is configured by using the intuitive DataSuite software, offering comprehensive data analysis features and alarm notifications. By reducing overhead related to more complex multi-trip loggers, the PicoLite meets the challenge of combining low cost with reliability for one-trip, value-for-money data logging.

CATALOG No.	DESCRIPTION
ACCDPICOLITE	PicoLite Cold Chain Data-Logger

SPECIFICATIONS :

Temperature Range:	-40 ˚C to 40 ˚C
Accuracy:	0.5 ˚C
LED Indicator:	Bi-color LED for sampling and alarm indication
PC Communication:	USB 2.0 compliant
Sample Memory:	16,000 samples
Sampling Rate:	Once minute to once every 18 hours
Battery Life / Type:	Up to 6 months depending on operating conditions / CR2032
Dimensions:	74 mm x 30 mm x 13 mm
Weight:	15 g
Compliance:	CE, EN12830, IP67

DataSuite Software for PicoLite

DataSuite is a modular software platform, simultaneously supporting multiple fourtec monitoring solutions:

- Software GUI based on proven fourtec platforms
- Multiple data view features
- Alarm features with 2 alarm levels, sending email and SMS notifications
- Reporting module for creating and generating reports with selected distribution
- Analysis features including histogram and statistics with export to Excel and CSV formats

Supported Operating Systems: Windows® Vista / 7 (32 and 64 Bit)
Minimum Hardware Requirements: Pentium 4.2 GHz Processor or better, 512 MB RAM, 250 MB available disk space

LogTag® Dry Ice Probe-Less Low Temperature Recorder

The LogTag® Dry Ice "Probe-less" Temperature Recorder operates, measures and stores up to 8000 temperature readings in temperature environments ranging from -80°C to +40°C (-112°F to +104°F)

Intended for use in transit monitoring of articles stored in packaging incorporating dry ice cooling.

Available in single trip (SRIL-8) and multiple trip (TRIL-8) versions.

Using the LogTag® Interface Cradle and the freely available companion software LogTag® Analyzer, these are easily set-up for recording conditions including delayed start, sampling interval, number of readings, continuous or fixed number of readings and configuration of conditions to activate the 'ALERT' indicator.

The Red Alert indicator provides an immediate indication, without access to a PC, if any readings are outside the limits specified at the time the unit was configured.

Green OK indicator provides immediate visual confirmation, without access to a PC, that the unit is operating.

LogTag® Analyzer also provides facilities for charting, zooming, listing data statistics and allows exporting the data to other applications such as MS Excel once the data has been downloaded.

The product incorporates an external temperature sensor uniquely arranged in a recess in the case. This arrangement protects the sensor from physical damage while retaining the faster response time normally associated with remote sensors.

CATALOG NO.	DESCRIPTION
LISRIL8	Single use Dry Ice Probe-Less Low Temperature Recorder
SPECIFICATIONS:	
Recorder Operating Range	-80 ~ +40°C (-112°F ~ +104°F)
Temperature Accuracy	Better than ±1°C for -30°C~ +20°C better than ±1.2°C for -45°C~ -30°C & +20°C~+40°C better than ±1.7°C for -80°C~-45°C
Temperature Resolution	Less than 0.1°C for -80°C ~ 0.0°C less than 0.2°C for 0.0°C ~+20°C less than 0.5°C for +20°C ~+40°C
Capacity	8000 temperature readings (16Kbytes memory)
Sampling frequency	Adjustable, 1min to several hours
Download Time	Typically with full memory in less than 5 seconds depending on computer or readout device used.
Environmental	IP65
Power source	3V low temperature chemistry Lithium battery.
Battery life / Endurance	Minimum storage life of 12 months before 'start'. Single use version rated for a typical trip of 2 weeks duration at dry ice temperatures. Multi-use version is rated for up to a total accumulative exposure of 1000hrs @ -80°C across multiple trips.
Size	86mm(H)x54.5mm(W)x8.6mm(T)
Weight	35grams
Case Material	Polycarbonate
Interface & software	Operates with standard LogTag Interface cradles Requires LogTag Analyzer 2.2r20 or later.

Q-tag® Dry Ice Multi-Alarm Shipping Temperature Monitor

This single-use data logger impresses with its large memory capacity of 38,000 measurements and its wide temperature range of -85 °C to + 60 °C.

This makes it the perfect companion for your dry ice shipments.

When connected to a PC / Mac, the device automatically generates a PDF showing the measured data including the temperature curve — with no need to install additional software.

CATALOG NO.	DESCRIPTION
Q-tag® CLm doc D	Dry Ice Multi-Alarm Shipping Temperature Monitor
SPECIFICATIONS:	
Area of application:	Temperature monitoring of frozen or dry ice shipments
Markets:	Medical industry, organ management (surgery) Logistics service providers and freight forwarders
Hardware	
Overall dimensions (L x W x H):	93 x 54 x 20 mm
Size of the LCD display:	25 x 19 mm
Weight:	54 g
Operating temperature:	-85 °C to +60 °C / -121 °F to +140 °F
Alarm temperature range:	-80 °C to +20 °C / -112 °F to 68 °F, in 0.1 °C increments
Alarm limits:	Up to 5 individually programmable alarm limits
Interval of the temperature measurement:	Every minute
Measurement accuracy of the temperature:	±1.8 °C typ. (-85 °C to -40 °C) and ±0.5 °C typ. (above) / ±3.2 °F typ. (-121 °F to -40 °F) and ±0.9 °F typ. (above)
Space:	38'000 points
Protection class:	IP65
Operating time:	30 days operation at -85 °C / -121 °F
Battery life:	Up to 2 years
Activation:	Start button
Stop:	Stop button
Configuration:	Pre-set by Berlinger & Co. AG
Software	
Format Original document:	PDF and ASCII file (it can also be imported by many ERP or data management systems)
Free software to verify the PDF and ASCII file:	JAVA™ / The software verifies the digital signature of the ASCII and PDF files. FDA regulation 21 CFR Part 11 compliant. Software is compliant with GAMP 5 requirements.
Compatibility with berlinger smartview®:	Yes
NIST / ILAC calibration certificate:	Yes

CRYO TEMP -80 Ultra Low Temperature Data Logger

FEATURES:

- *Ultra Low Operating Temperature (-86°C)*
- *May Be Placed In Direct Contact With Dry Ice*
- *No External Probes Or Wiring*
- *Programmable Alarm & Warn Ranges w/ Alarm Delay*
- *Led Status Indicators For Instant Alarm Notification*
- *High Accuracy*
- *Magnetic Start*
- *Optional Password Protection*
- *Splash Resistant (Ip64)*
- *CE Compliant*

ACCTIFC300 USB Dock
required for data retrieval

Thermco's new Ultra Low Temperature Data Logger, records temperatures as low as – 80C. The Cryo-Temp –80 can be used in a broad line of applications such as monitoring blood plasma, vaccines , pharmaceuticals, frozen foods and shipping containers. This standalone device does not require any additional probes. The enclosure is designed with a handle for easy attachment and is IP64 splash resistant. It utilizes a USB docking station (sold separately), to communicate with a personal computer or laptop.

The Cryo-Temp –80 provides date and time stamped temperature readings and uses the Thermco Data Logging Software. The user can view the data in graphical or tabular form. High and low alarm limits and high and low warning limits can be programmed through the software. The user can set the alarm limits in the range required for the goods to be maintained. The warn limits can be set to alert the user when the temperature is nearing a high or low alarm limit, so that proper action can be taken to ensure the integrity of the goods.

The Cryo-Temp –80 is equipped with three LED's. The green LED will blink every 15 seconds while the recorder is logging data. The yellow LED will blink every 3 seconds when the temperature has breached the warning limits. The red LED will blink every 3 seconds when the temperature alarm limits have been exceeded. The Cryo-Temp –80 is the ideal temperature monitoring solution for any application involving ultra low temperature data logging.

APPLICATIONS:

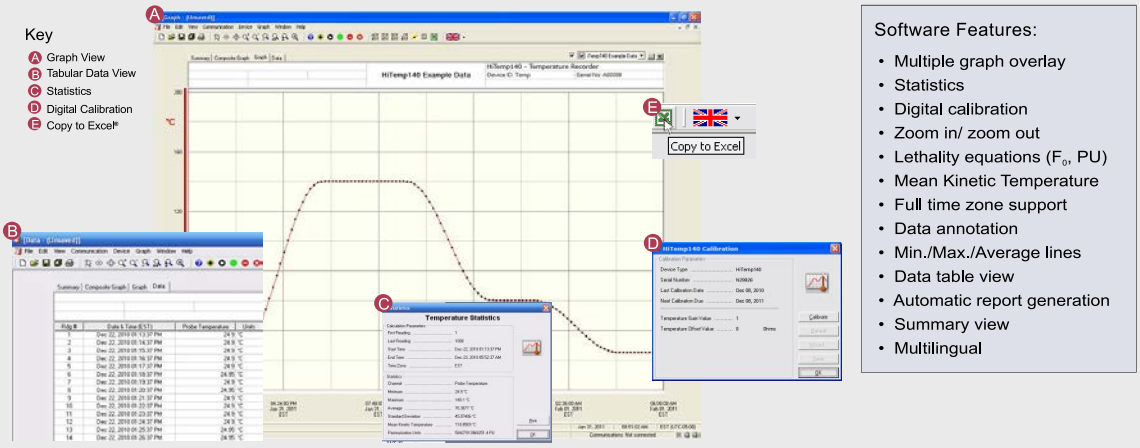
- *Dry Ice Shipments*
- *Plasma And Red Cell Freezers*
- *Blood Banks / Frozen Tissue Storage*
- *Monitoring Frozen Vaccines*
- *Ultra Low Temperature Storage/Laboratory Freezers*
- *Medical And Pharmaceutical Shipping*
- *Cold Chain Monitoring*
- *Low Temperature Research*

CATALOG No.	DESCRIPTION
ACCCRY086	Cryo-Temp –80 Data Logger
MGNIST	Certificate Traceable to NIST, 1 Temperature
ACCTIFC300	Docking Station, USB Cable, Data Logger, Manual and Software - XP SP3 / Vista/ Win 7,8,10 (Note: 1 docking station required for data retrieval)

SPECIFICATIONS:	
Temperature Sensor:	NTC Thermistor
Temperature Range:	-86°C to +35°C recommended, may be used up to +55°C
Temperature Resolution:	0.1°C
Calibrated Accuracy:	±1.0°C
Reading Rate:	5 seconds to 30 minutes, selectable in software
Start Modes:	Software programmable immediate start, delay start up to 30 days in advance or manual start with magnetic switch
Temperature Alarm:	Software programmable high and low alarm limits, high and low warn limits each set point may be individually enabled or disabled
Alarm Delay:	Software programmable time delay for warn/alarm limits. Logger will not indicate out of range status until the temperature has been out of range for a for a set period of time.
Status Indicators:	Green- Blinks to indicate safe conditions during logging Yellow- Blinks to indicate warn limits have been exceeded Red- Blinks to indicate alarm criteria (limits/delay) have been exceeded
Password Protection:	An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password.
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Battery Type:	3.6V lithium battery (LTC-7PN), factory replaceable only
Battery Life:	2 years typical @ 25°C, 1 min. reading intervals 1 year typical @ –80°C, 1 min. reading intervals
Data Format:	Date and time stamped ºC, ºF, K, ºR
Time Accuracy:	±2 minutes/month max. at 20 to 30°C ±5 minutes/month max at –80°C
Computer Interface:	ACCTIFC300 USB PC docking station (Note: 1 docking station required for data retrieval)
Software:	XP SP3 / Vista / Windows 7,8,10
Operating Environment:	-86°C to +35°C (may be used up to +55°C); 0 to 100% RH
Dimensions:	3.3” x 2.1” x 0.4” (83 mm x 54 mm x 11 mm)
Ingress Protection/IP:	IP65 (splash resistant, not submersible)
Enclosure:	ABS plastic, white, polycarbonate labeling
Weight:	1.4 oz (40 g)

Data Logger Software Reports temperature data in an easy to use graph.
The Windows®-based software package allows the user to effortlessly collect, display and analyze data. A variety of powerful tools allow you to examine, export, and print professional looking data with just a click of the mouse.

THERMCO DATA LOGGER SOFTWARE



SOFTWARE FEATURES
Multiple Graphs: Simultaneously analyze data from several units or deployments; easily switch to a single data series.
Statistics: Calculate averages, min, max, standard deviation, and mean kinetic temperature with the touch of a button.
Real-Time Recording: Collect and display data in real-time while continuing to log.
Export Data: Export data in a variety of common formats, or switch to Excel® with a single click.
Data Table: Instantly access tabular view for detailed dates, times, values, and annotations.
Calibration: Automatically calculate and store calibration parameters.
Scaling Options: Autoscale function fits data to the screen, or allows user to manually enter their own values.
Logger Configuration: Easy set up and launch of data loggers with immediate or delayed start, preferred sample rate, and device ID
Formatting Options: Change colors, line styles, plotting options, show or hide channels quickly
Printing: Automatically print graphical or tabular data

HiTemp 135 Data Logger

The HiTemp 135 is a rugged, high precision, temperature data logger that is built for use in harsh environments.

This stainless steel device is submersible, can withstand temperatures up to 140°C (284°F) and has an accuracy of ±0.1°C (0.18°F) over the entire operating range.

The HiTemp135 can store up to 32,700 readings, and features a 2" rigid external probe capable of measuring extended temperatures, up to 260°C (500°F).

Also the device records date and time stamped readings, and has nonvolatile solid state memory that will retain data even if the battery becomes discharged.

Using the ACCTIFC400 docking station and software, starting, stopping and downloading the HiTemp135 is simple and easy. Graphical, tabular and summary data is provided for analysis and data can be viewed in °C, °F, K or °R. The data can also be automatically exported to Excel® for further calculations.

FEATURES:

- *±0.1°C (0.18°F) Accuracy*
- *Operates Up To 140°C (284°F)*
- *Submersible (IP68)*
- *NIST Traceable*
- *User Replaceable Battery*
- *Rugged*
- *Programmable start time*
- *Programmable stop time*
- *Engraved Label*
- *Probe Lengths Up To 7"*
- *Battery Life Indicator*

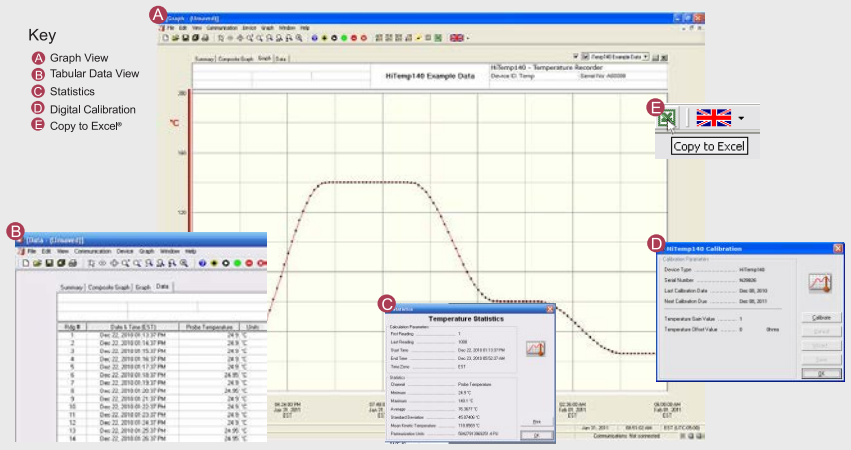
BENEFITS:

- *Simple Setup and Installation*
- *Minimal Long-Term Maintenance*
- *Long-Term Field Deployment*

APPLICATIONS:

- *Autoclave Verification*
- *Implement HACCP Programs*
- *Food Preparation and Processing*
- *Environmental Studies*
- *Well Monitoring*
- *Dishwasher Testing*
- *Pasteurization*

THERMCO DATA LOGGER SOFTWARE



Software Features:

- Multiple graph overlay
- Statistics
- Digital calibration
- Zoom in/ zoom out
- Lethality equations (F_0, PU)
- Mean Kinetic Temperature
- Full time zone support
- Data annotation
- Min./Max./Average lines
- Data table view
- Automatic report generation
- Summary view
- Multilingual

For Complete Specifications - Accessories - Downloads Please Visit
www.ThermcoProducts.com

CATALOG No.	DESCRIPTION
ACCHITEMP135FC	High Temperature Data Logger with a 2” probe Certified @ 121°C
ACCHITEMP135PT	High Temperature Data Logger with 24” Flex probe

ACCESSORIES:

ACCTIFC400	Docking station with USB cable, software and manual (Note: 1 docking station required for data retrieval)
ACCHITEMPBAT-2	Replacement battery for the ACCHITemp135
MGNIST	NIST Calibration Certificate

SPECIFICATIONS:

Temperature Sensor:	100Ω Platinum RTD
Probe Measurement Range:	-200ºC to +260ºC (-328ºF to +500ºF)
Temperature Resolution:	0.01ºC (0.02ºF)
Calibrated Accuracy:	±0.1ºC/±0.18ºF (-20ºC to +140ºC/-4ºF to +284ºF)
Start Modes:	Software programmable immediate start Delay start up to eighteen months in advance
Stop Modes:	Manual through software Timed (specific date and time)
Real Time Recording:	May be used with PC to monitor and record data in real time
Password Protection:	An optional password may be programmed into the device to restrict access to configuration options. Data may be read out without the password.
Memory:	32,700 readings
Wrap Around:	Yes
Reading Rate:	One second up to once every 24 hours
Battery Type:	3.6v high-temperature lithium battery included; user replaceable
Battery Life:	1 year typical (1 minute reading rate at 25ºC/77ºF)
Calibration:	Digital calibration through software
Calibration Date:	Automatically recorded within device
Data Format:	Date and time stamped ºC, ºF, K, ºR
Time Accuracy:	±1 minute/month at 20ºC to 30ºC (68ºF to 86ºF) (Stand alone mode)
Computer Interface:	ACCTIFC400 USB (Note: 1 docking station required for data retrieval)
Software;	XP SP3 / Vista / Win 7,8,10
Operating Environment;	-20ºC to +140ºC (-4ºF to +284ºF), 0%RH to 100%RH
Dimensions (Body):	2.7” x 0.97” dia. (67mm x 25mm dia.)
Dimensions (Probe**):	2” x .188” to .125” transitional dia. 50mm x 3.8mm to 3.2mm transitional dia.
Weight:	4.2 oz (120g)
Material:	316 Stainless Steel

BATTERY WARNING:

Warning: Fire, Explosion, And Severe Burn Hazard.
Do Not Short Circuit, Charge, Force Over Discharge, Crush, Penetrate, Or Incinerate.
Battery May Leak Or Explode If Heated Above 150ºc (302ºf).
**Specifications Are Subject To Change Without Notice. Specific Warranty Remedy Limitations Apply. Call (973) 300-9100 Or Go To www. ThermcoProducts.com For Details.*
***Other probe lengths up to 7” available. Contact Thermco for details.*

Precision RTD Platinum Hand Held Data Logger

Thermco's CT375DIG & CT376DIG are a very accurate temperature measuring systems.
With the accuracy of 0.1°C and resolution of 0.01°C, it will fulfill the most critical measuring requirement.
The unit is equipped with stand and large backlight LCD that makes this unit perfect to setup a test station on the site.

FEATURES:

- *Precision Platinum Temperature Sensor.*
- *High Accuracy With 0.01°C Resolution.*
- *Automatic Locked Push-pull Connector For Easy Connection.*
- *Large Backlight LCD.*
- *Dual Display.*
- *MAX/MIN Function.*
- *°C & °F Scale Selectable.*
- *Data Hold Function.*
- *Relative Function.*
- *Auto Power Off.*
- *User Offset Adjustable.*
- *Tilt Stand.*

MODEL CT375DIG

- *100 Manual Recording Data Memory Include On Meter Readout Function.*

MODEL CT376DIG

- *16,000 Records Data Logger*
- *Record Temperature, Time And Date Of Measurement.*
- *Windows Software.*
- *RS-232 / USB Interface.*

CATALOG No.	DESCRIPTION
CT375DIG	"SUPRA" PRECISION - RTD Platinum Thermometer Memory model w/100 Manual readings Includes CTTPR04 Pt-100 Probe
CT376DIG	"SUPRA" PRECISION - RTD Platinum Thermometer Data Logger model w/16K Records Includes CTTPR04 Pt-100 Probe, USB Cable and Software

ACCESSORIES:	DESCRIPTION
CTTPR04	Pt 100 Immersion Probe
CTTPR05	Pt 100 Air Probe
CTTPR06	Pt 100 Insertion/Piercing Probe
CT1776RS	RS-232 Cable
CT1776AC	ACAdapter

SPECIFICATIONS:

Measurement Range	-100 to 400°C (-148 to 752°F)
Measurement Accuracy	±0.1°C (±0.2°F)
Resolution	0.01°C (0.02°F)
Sampling Rate	2 time/sec.
Battery	9v battery
Dimensions	185(L) x 65(W) x 36(H) mm (meter only)
Weight	Approx. 360g
Sensor Type	Platinum temperature-measurement resistor (Pt 100/4 line type)
Included with Unit	Precision Pt-100 Probe, 9V Battery, Instruction Manual, Carry Case, Windows Software(CT376DIG), USB Cable(CT376DIG)

PRECISION 2 & 4 Channel Thermocouple Dataloggers

2 Channel Data Logger

The **CT306** data logger is designed for advanced applications which require the temperature data for a period. With the CT306, the users can collect the information very easily. The operating interface is designed in a very intuitive way so that the user can locate the function by just look at the panel. The built-in real time clock will give every set of recording data a time stamp so that every data can be traced back to the time it occurred. The bundled window software is not only used to read the recording data but it provides a virtual panel in the window to fully control the tester.

4 Channel Data Logger

In some applications, the temperature is concerned at more than two points. This is why we provide the four channel model thermometer **CT309**. The operation interface is intuitive and all the temperature data are shown on the LCD at the same time so that no extra steps for the users to get the reading.

FEATURES:

- ***NIST Traceable***
- *Includes Calibration Certificate*
- *Resolution 0.1°C (0.1°F)*
- *Data Logger 16,000 Records, ea. channel*
- *Records Minimum / Maximum*
- *Temperature Hold Function*
- *Clock Function w/ Time Stamp*
- *Differential Temperature Measurements*
- *C & F Switchable*
- *Auto Power 0ff*
- *RS232 Interface*
- *Windows Software*

CT306

- *Triple Display*

CT309

- *Four Channel Display*
- *LED Back Light*

CATALOG No.	DESCRIPTION
CT306	PRECISION - 2 Channel Thermocouple Datalogger
CT309	PRECISION - 4 Channel Thermocouple Datalogger

SPECIFICATIONS:

Measuring range:	-200°C to 1370°C (328° to 2498°F)
Accuracy K-Type:	±0.3%+1°C (±0.3%+2°F)
Resolution:	0.1°C & °F
Data Logger:	16,000 Records
Operation Temp:	0°C ~ 50°C (< 80%RH)
Storage Temp:	-20°C ~ 60°C (<70%RH)
Power:	1 x 9v battery
Dimensions:	184 x 64 x 30 mm
Weight:	Approx.210g
Included with Unit:	Includes Calibration Certificate, Carrying Case, RS232 Cable, Windows Software, 1 x 9v Battery

CATALOG NO.	Probe Type	Measuring Range
CTK02	Immersion Probe w/ handle	-50° to 700°C (-58° to 1292°F)
CTK04	Insertion Probe w/ handle	-50° to 600°C (-58° to 1122°F)
CTK05	Surface Probe Angl w/ handle	-50° to 400°C (-58° to 752°F)
CTK01	Beaded Wire Probe	-50° to 200°C (-58° to 392°F)
CTK06	Air Probe w/ handle	-50° to 800°C (-58° to 1472°F)

Wireless Temperature/Humidity Monitoring Station

KLIMALOGG PRO Data Logger

Monitor Temperature/Humidity with Main Unit - Plus 8 Additional Remote Locations.

Shown above ACCDTA150RFV kit includes KLIMALOGG PRO Data Logger, PC USB Interface, Temperature Transmitter w/Vial Probe, and NIST Traceabile Certificate

The KLIMALogg Pro data logger can monitor and record up to 50,000 sets of temperature and humidity measurements. Monitor the local ambient temperature and humidity with the KLIMALogg pro unit, plus receive data from up to 8 remote wireless sensors that can transmit up to 110 yards or 100 meters. Choose from temperature/humidity transmitters or bottle temperature transmitters to monitor vaccines in refrigerators of freezers.

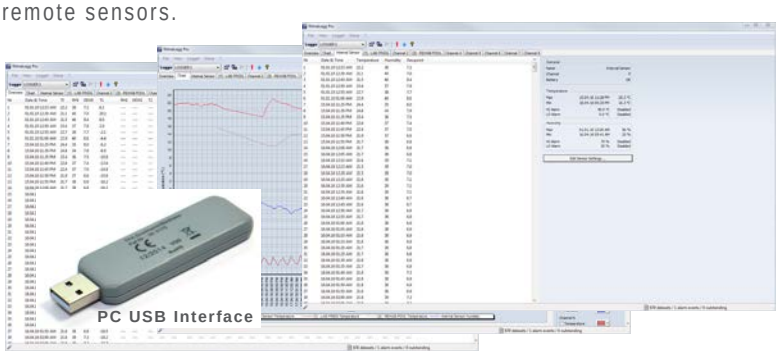
Features:

- ***NIST Traceable w/Certificate***
- *Indication of the current temperature and humidity*
- *MIN/MAX values and time of reception*
- *Temperature display in ºC/ ºF*
- *Indication of the current dew point*
- *12 or 24 hour time mode*
- *Time zone option ±12 hours*
- *LCD contrast selectable*
- *Low battery indicator*
- *Data logging function up to 50,000 data records*
- *Logging intervals 1, 5, 10, 15, 30 minutes or 1, 2, 3, 6 hours*
- *Data sets can be called up either directly on the device or using a PC*
- *Up to 8 transmitters receivable (temperature and humidity transmitter or temperature only transmitter with external cable bottle sensor)*
- *Manual learning function for all transmitters or individual transmitters*
- *Display loss of transmitter signals*
- *Data transfer via USB wireless transceiver*
- *Individual alarm limits for all channels can be set with visual and /or acoustic alarms*
- *Bench or Wall Mounting Transmitters*
- *Including easy-to-use Windows software for Win 7/8/10 (free download)*

Transmitters are Desk or Wall Mountable

ACCDTA141
Temperature and Humidity Transmitter

Using the KLIMALogg Pro Software and wireless usb receiver the data recorded by the klimalogg can be transferred and stored on your pc. You also can review data, chart, and export data to a csv file. Also set temperature & humidity min/max alarm points, edit sensor names (will also be displayed on klimalogg pro) making it easy to identify the remote sensors.



CATALOG No.	DESCRIPTION
ACCDTA150RFV	KLIMALOGG PRO Temp/Humidity Data-Logger Kit Includes NIST Traceable Certificate, USB Interface, and Wireless Temperature Transmitter ACCDTA151
ACCDTA140	KLIMALOGG PRO Temp/Humidity Data-Logger w/ USB Interface (sensors sold separately)
ACCDTA141	Temperature & Humidity Transmitter -40/60°C 0.1°C resolution, 1/99% 1% resolution
ACCDTA151	Temperature Transmitter W/Vial Probe -40/60°C 0.1°C resolution

SPECIFICATIONS:

KLIMALOGG PRO Data Logger	Humidity	Temperature
Measurement range:	1 to 99%RH	0 to 50°C
Accuracy:	±3%RH	±0.5°C
Resolution:	1.0%RH	0.1°C
Work temperature:	0 to 50°C	
Power:	3 x 1.5 Volt AA	
Dimensions/Weight:	137 x 98 x 26 mm / 150 g	

PAPER CHART RECORDER

FEATURES:

- *Advanced Micro Controller Design for Reliability*
- *Large LED Digital Display for Easy Reading of Temperatures*
- *All Controls on Front Panel for Fast and Easy Setup*
- *Single or Continuous Chart Rotation*
- *Standard Adapter for 120 VAC Operation (220 VAC Optional)*
- *Battery Backup Assures Normal Operation During Power Interruptions*
- *12 Volt Operation—Allows Use in Vehicular or Marine Operation*
- *Furnished Complete with 2 Cartridge Pens & 60 (6" Diameter) Assorted Charts*
- *Convenient Fold Down Carrying Handle*
- *Snap-On Extra Support Legs*
- *Free Standing or Wall Mounted Using Existing Keyhole Slots Located on Back of the Case)*
- *Weather Proof NEMA Type 4x Case Optional*

Thermco's Temperature Recorder with remote sensor employs advance micro Controller design that enables this versatile instrument to accurately measure and record temperatures in air, gas, liquids, powders, solids, and semi-solids. Recordings can be made from any distance up to 100 feet away by using an optional long length sensor wire. Two selector switches located on the face panel allow for the recording of 3 different temperature ranges at 4 different recording speeds.

CATALOG No.	Temp. Readings In	Operating Voltage
ACCR87F	Fahrenheit	110-120V, 50/6OHz
ACCR87C	Celsius	110-120V, 50/6OHz
ACCR87F220	Fahrenheit	220-240V, 50/60 Hz
ACCR87C220	Celsius	220-240V, 50/60 Hz

SPECIFICATIONS:

Temp. Scale Selectable:	(Fahrenheit) -40 to +30°F, -20 to +50°F, +50 to +120°F
Temp. Scale Selectable:	(Celsius) -40 to 0°C, -30 to +10°C, +10 to +50°C
Ambient Operating Temperature Range:	+32 to +140°F (0 to +60°C)
Ambient Operating Relative Humidity:	96% maximum
Temperature Accuracy:	±1 'C or ±2°F
Chart Speed Selectable:	6 hrs., 24 hrs., 7 days, 31 days
Chart Rotation Mode:	Selectable — single turn or continuous
Chart Speed Accuracy:	±1%
Chart Diameter:	6 inches
Display:	3 digit LED 0.5
Temperature Sensor:	15 long sensor wire with 4' Stainless Steel submersible probe
Primary Power Supply:	120 VAC, 50/60Hz. (220-240 VAC, 50/60 Hz. Optional CR87B-220)
Alternative Power:	12 Volt vehicle operation with optional adapter
Battery Backup:	8AA Alkaline batteries (not supplied)
Battery Life:	48 hours continuous use
Recording Pen:	Ink type
Case Size:	9 1/4" x 7 1/4" x 23/4"
Weight:	4 lbs., 7

TIME-DATE STAMP Alarm Thermometer

Bio-Safe

Glycol / Water Bottle Medium

NEW DESIGN

NEW FEATURES:

- *Visual LED and Audible Beeping Alarms*
- *Bio-Safe Glycol / Water Probe Medium*
- *Improved Resolution to 0.1°*
- *Standard Size Vaccine Bottles*

Features:

- ***NIST Traceable***
- *Each Thermometer Individually Serialized*
- *High Accuracy ±0.3°C (±0.5°F)*
- *Range -50 To 70°C (-58 To 158°F)*
- *Min-Max Temp with Time & Date Stamp Readings in Memory*
- *Low/High Alarm Limit Setting*
- *°C / °F Mode*
- *Low Battery Indication*
- *Flip Out Desk Stand*
- *Wall Mounting Key Hole*
- *Magnetic or Velcro Attachment*

Dual Probe Model

The Triple display digital thermometer simultaneously shows the current, minimum, and maximum temperatures and updates continuously. An audible & visual alarm will trigger when the temperatures goes above or below the set temperatures. The minimum/ maximum feature monitors critical temperature for any period of time, such as overnight or weekends. Each thermometer is certified, serialized and traceable to NIST in Thermco's ISO17025, (Accreditation No. 69071) Calibration Laboratory and accredited by Ilac-MRA to assure accuracy and compliance with regulatory agencies.

The thermometer probe is housed in an unbreakable plastic vial filled with a Bio-Safe buffering media which maintains the thermometer reading while the refrigerator or freezer door is open. Thermometers are supplied with dual magnets and velcro sets to allow attachment to walls or doors. Other features include flip out desk stand and wall mounting key hole in back of unit, and supplied with AAA alkaline batteries.

Hi / Lo Alarms with Min / Max Temperatures Recorded

Review Status of all Temperatures From LCD Display

Mode 1 - Event 1
Year
Month - Day
Time

Mode 1 - Event 2
Year
Day - Month
Time

Easy Acess to all function buttons on fron of unit

Mode 2 - Event 1
Curent Temp
Min Temp
Max Temp

Mode 2 - Event 2
Min Temp
Month - Day
Time

Mode 2 - Event 3
Max Temp
Month - Day
Time

Mode 3 - Event 1
Current Temp
Alarm Set LO
Alarm Set HI

Mode 3 - Event 2
Alarm LO Temp
Month - Day
Time

Mode 3 - Event 3
Alarm HI Temp
Month - Day
Time

SPECIFICATIONS:

Measuring Range:	-50 To 70°C (-58 To 158°F)
Display Accuracy:	±0.3°C (±0.5°F)
Display Resolution:	0.1°
Display Reading Update:	10 Seconds
Alarm Limit Setting Resolution:	0.1°
Time Accuracy:	±3 Seconds Per Day
Time Display Format:	12/24 Hour Format User Option
Date Display Format:	Date/Month/Year Or Month/Date/Year User Option
Effective Calendar Period:	2013 To 2099
Battery:	1.5 Volt
Working Ambient Temperature:	0 To 50°C (32 To 122°F)
Display Size:	47(W) X 39(H) Mm
Product Size:	75(W) X 120(H) X 19(D) mm
Accessories:	x2 1.5 Volt Type AAA or Equivalent

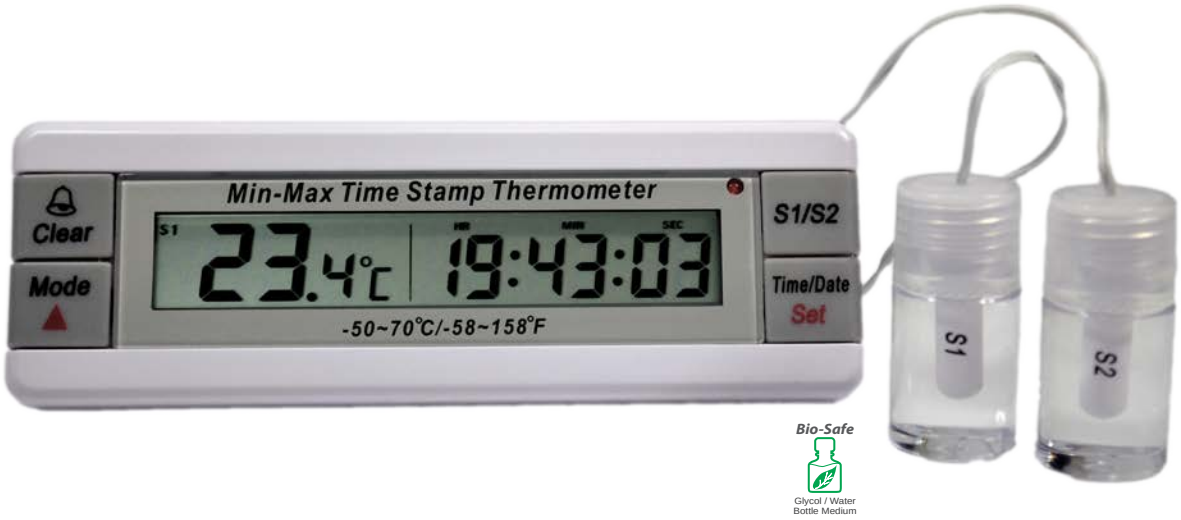
To comply with regulatory agencies requirements Thermco's Time-Stamp thermometer provides the date and time when the temperature being monitored exceeds the minimum and maximum settings and in real-time. Also an audible alarm will sound and flashing LED will be visible.

CATALOG No.	Application	Probe Type	Certified Temperature
Single Probe Models			
ACC821FREV	Freezers	1 - 5ml Bottle Bio-Safe Glycol/Water	-20.0ºC
ACC821REFV	Refrigerators	1 - 5ml Bottle Bio-Safe Glycol/Water	+4.0ºC
ACC821INCV	Incubators	1 - 5ml Bottle Bio-Safe Glycol/Water	+37.0ºC
ACC821DIG	Thermometer w/ 1 Plain Probe	1 Probe Only (no bottle)	+22.0ºC
Dual Probe Models			
ACC821RFV2	Refrigerators & Freezers	2 - 5ml Bottle Bio-Safe Glycol/Water	-20.0ºC & +4.0ºC
ACC821INCV2	Incubators	2 - 5ml Bottle Bio-Safe Glycol/Water	+37.0ºC & +37.0ºC
ACC821DIG2	Thermometer w/ 2 Plain Probes	2 Probes Only (no bottles)	0°C & +22.0ºC

°F
°C

DUAL PROBE Time-Date Stamp Alarm Thermometer

Monitor Freezer & Refrigerator Simultaneously



This versatile Fridge / Freezer Dual Channel thermometer records the date and time of the minimum and maximum readings, while independently monitoring user programmable high and low alarms. The unit incorporates an **Audible and Visual Led Programmable Alarm** that indicates when the temperature is outside the set limits. Alarm is programmable in 1° increments. Three foot micro-cable permits refrigerator or freezer doors to close without obstruction.
Each thermometer is housed in an ABS case and has two magnetic pads for appliance mounting and a flip out desk stand. It's a perfect tool for cold storage of food, chemicals, pharmaceuticals, vaccines, and more.

FEATURES

- ***NIST Traceable*** *with 2 year certificate provided*
- *Dual Probe For Fridge And Freezer*
- *Bio-Safe Glycol / Water Probe Medium*
- *Minimum And Maximum Reading Memories With Real Time And Date Stamp*
- *Low / High Alarm Limit Setting programmable in 1° increments*
- *Audible and LED Alarm Feature Provides Alert When Temperature Exceeds Set Points*
- *Time And Date Display*
- *Replaceable Sensor In Bottles*
- *Range is to -50/70°C (-58/158°F)*
- *Fahrenheit / Celsius Selectable*
- *Low Battery Indication*
- *Flip Out Desk Stand*
- *Magnetic or Velcro Attachment*
- *Supplied with 2 AAA Batteries*

CATALOG No.	Range	Bottle Media
ACC8100MATB	-50 to 70°C (-58 to 158°F)	Bio-Safe Glycol/Water - 5ml

SPECIFICATIONS:

Measuring Range:	-50 To 70°C (-58 To 158°F)
Display Accuracy:	±1°C
Display Resolution:	0.1°
Display Reading Update:	10 Seconds
Alarm Limit Setting Resolution:	1°
Time Accuracy:	±3 Seconds Per Day
Time Display Format:	Default 24 Hours
Date Display Format:	Default Date/Month/Year
Effective Calendar Period:	2000 ~ 2099
Probe Cord Length:	1,000 Mm
Display Size:	90(W) X 16(H) Mm
Product Size:	135(W) X 45(H) X 23(D) Mm
Bottle Size And Volume:	20 X H41mm & 5ml
Accessories:	1.5 volt, type AAA battery x2 pieces

DUAL PROBE Min/Max Alarm Thermometer

Bio-Safe
Glycol / Water Bottle Medium

Buffered Bottle Media Models
Glycol/Water is a thermal dampening media housed in a 5ml bottle, used to minimize temperature spikes caused when a instrument door is opened for a period of time and thereby preventing FALSE Alarms.

Dual Temp Thermometers. Allows putting one probe in the freezer and another in the refrigerator (or measure two areas of a refrigerator). Range is -40/158°F and -40/70°C with a resolution of 0.1° and an accuracy of ±1°C. Audible and Visual alarm feature provides alert when temperature rises above or falls below two set points. Alarm is programmable in 1° increments.
Three foot micro-cable permits refrigerator or freezer doors to close without obstruction.

CATALOG No.	Range	Bottle Media
ACC8002CLV	-40 to 70°C (-40 to 158°F)	Bio-Safe Glycol/Water - 5ml

FEATURES:

- *NIST Compliant® with certificate*
- *Dual Probe for Fridge and Freezer*
- *Bio-Safe Glycol / Water Probe Medium*
- *Min & Max Readings in Memory*
- *Range is to -40/70°C (-40/158°F)*
- *Resolution is 0.1°*
- *Accuracy is ±1°C & °F*
- *Visual & Buzzer Alarm*
- *Programmable Alarm in 1° increments*
- *Three Foot Micro-Cable Probe*
- *Alarm Duration Indication*
- *Low Battery Indication*
- *Flip Out Desk Stand*
- *Magnetic or Velcro Attachment*
- *Size is 3-1/2 x 1-3/4 x 1 inches*
- *Weight is 3-2/3 ounces*
- *Supplied with 2 AAA Batteries*

Each thermometer is certified, serialized and traceable to NIST in Thermco's ISO17025, Calibration Laboratory and accredited by ilac-MRA (Accreditation No. 69071) to assure accuracy and compliance with regulatory agencies.

CATALOG No.	Range	Bottle Media
ACC8100DIG	-40 to 70°C (-40 to 158°F)	Suction Cups Holder

LARGE DIGIT - TRIPLE DISPLAY ALARM
Current-Min-Max Temperatures

ACC895FREV with 5ml vaccine bottle

Plain Probe | 1ml Block Heater Probe | 30ml BioSafe Probe | 30ml Water Bath Probe

FEATURES:

- ***NIST Traceable***
- *Each thermometer individually serialized*
- *Triple temperature display - current, minimum, & maximum temperatures*
- *Audible Alarm*
- *Resolution 0.1ºC & ºF*
- *Accuracy ±0.5ºC & ºF*
- *Temperature probe housed in plastic bottle filled with a Non-Toxic Non-Hazardous liquid medium*
- *Bottles Have Dual Magnets - Thermometers have Velcro Fastners*
- *ºC and ºF Switchable*
- *Supplied with AAA alkaline battery*
- *Thermometer can be used to monitor ambient temperatures*
- *Nine foot micro-cable probe*

The Triple Display Digital Thermometer simultaneously shows the current, minimum, and maximum temperatures and updates continuously. An audible alarm will sound when the temperature rises above or goes below the set temperatures. The minimum/maximum feature monitors critical temperature for any period of time, such as overnight or weekend. Reset buttons on front panel.

Each thermometer is certified and traceable to NIST. Each thermometer is serialized.

The thermometer probe is housed in an unbreakable plastic bottle or vial filled with a ***Bio-Safe Glycol / Water or Sand*** buffering media which maintains the thermometer reading when the instrument door is opened.

The thermometer and the bottle housing the probe have dual magnets allowing attachment to doors or walls of the instrument.

Other features include a flip-open stand, wall mounting key hole, and supplied with a AAA alkaline battery. The instrument is ºC and ºF switchable.

CATALOG No.	Application	Range	Bottle Media	Certified Temperature
ACC895DIG	Thermometer w/Probe Only	-50˚ to 70˚C		
30ml Bottle				
ACC895FRE	Freezers	-50º to 70ºC	Bio-Safe Glycol/Water	-20.0ºC
ACC895REF	Refrigerators	-50º to 70ºC	Bio-Safe Glycol/Water	+4.0ºC
ACC895INC	Incubators	-50º to 70ºC	Bio-Safe Glycol/Water	+37.0ºC
ACC895AMB	Ambient / Room	-50º to 70ºC	Bio-Safe Glycol/Water	+22.0ºC
ACC895BOD	BOD Incubator	-50º to 70ºC	Bio-Safe Glycol/Water	+22.0ºC
5ml Vaccine Bottle				
ACC895FREV	Freezers	-50º to 70ºC	Bio-Safe Glycol/Water	-20.0ºC
ACC895REFV	Refrigerators	-50º to 70ºC	Bio-Safe Glycol/Water	+4.0ºC
ACC895INCV	Incubators	-50º to 70ºC	Bio-Safe Glycol/Water	+37.0ºC
Other				
ACC895BLK	Block Heaters	-50º to 70ºC	Mineral Oil 1ml	+37.0ºC
ACC895WB	Water Baths	-50º to 70ºC	Sand 30ml	+37.0ºC

TRIPLE DISPLAY ALARM

Digital Bottle Thermometer Kits for
Refrigerators, Freezers, Incubators, Ambient, Block Heaters and Water Baths

ACC850FRE with 5ml vaccine bottle

Bio-Safe
Glycol / Water Bottle Medium

ACC850WB with 30ml bottle

ACC850BLK with 1ml dry block probe

Back of ACC850

FEATURES:

- *NIST Traceable w/Certificate*
- *Each thermometer individually serialized*
- *Tri-Display for Current, Min And Max Temperatures*
- *Internal & External Temperature Measuring*
- *Temp Range:*
  Internal 0° to 50°C (32° to 122°F)
  External -50° to 70°C (-58° to 158°F)
- *Resolution: 0.1°*
- *10 seconds Display Update*
- *Programmable Low And High Alarm Limit*
- *Audible Alarm*
- *Low Battery Indication*
- *Thermometer can be used to monitor ambient room temperatures*
- *External Probe with 3 Meters Cord Length*
- *C/F Switchable*
- *Display size: 51mm x 38mm*
- *Sensors Bottles filled with Buffer Medium*
- *Thermometer size: ~76mm x 50mm x 10mm*
- *Supplied with CR2032 lihium battery*

Traceable Digital Thermometers Kits monitor critical temperatures in freezers, refrigerators, incubators, water baths, block heaters and ovens to within 1.0°C.
An audible alarm will sound when the temperatures rises above or goes below the set temperatures. The minimum/maximum feature monitors critical temperature for any period of time, such as overnight or weekend. Reset buttons on front panel.
Each thermometer is serialized and certified traceable to NIST. The thermometer probe is housed in an unbreakable plastic bottle filled with a buffering media which maintains reading from sudden temperature changes. The thermometer and the bottle probe have Dual Magnets allowing attachment to doors or walls. Other features include a flip-open stand. The thermometer is ºC and ºF switchable.

CATALOG No.	Application	Range	Bottle Media	Certified @
ACC850DIG	Thermometer	-50˚ to 70˚C	Plain Probe	0.0ºC
ACC850REF	Refrigerators	-50º to 70ºC	Bio-Safe Glycol/Water - 5ml	+4.0ºC
ACC850FRE	Freezers	-50º to 70ºC	Bio-Safe Glycol/Water - 5ml	-20.0ºC
ACC850INC	Incubators	-50º to 70ºC	Bio-Safe Glycol/Water - 5ml	+37.0ºC
ACC850AMB	Ambient/Room	-50º to 70ºC	Bio-Safe Glycol/Water - 5ml	+22.0ºC
ACC850BOD	BOD Incubator	-50º to 70ºC	Bio-Safe Glycol/Water - 5ml	+20.0ºC
ACC850BLK	Block Heaters	-50º to 70ºC	Mineral Oil - 1ml	+37.0ºC
ACC850WB	Water Baths	-50º to 70ºC	Sand - 30ml	+37.0ºC

ULTRA-LOW TEMPERATURE Freezers Thermometer

Monitor Down To -100°C

Digital thermometer to monitor the temperature in ultra low freezers down to **-100°C**. Thermometer is ***NIST Traceable*** and is supplied with a certificate. The probe is housed in a PETG plastic, 60ml bottle filled with USP sand which insulates the sensitive section of the probe to maintain temperature during the opening and closing of the door.

FEATURES:

- ***NIST Traceable***
- *Range: -200 to 760°C & F*
- *Resolution: 0.1°C*
- *Accuracy: 0.3% +1.0°C*
- *Celsius & Fahrenheit*
- *Dimensions: 160mm x 54mm x 34mm*
- *Power: 1 9v Battery*
- *Min-Max Function*
- *Temperature Hold Function*
- *CE Approved*

CATALOG No.	Range	Bottle Media	Temperature
ACCULF307	-200 to 760°C	60ml Sand	(Validated @) -80.0°C
ACCULF307FC	-200 to 760°C	60ml Sand	(Factory Certified @) -80, -20, -0 °C

For Complete Specifications - Accessories - Downloads Please Visit
www.ThermcoProducts.com

INSULATING LIQUID BOTTLES
for Temperature Probes & Thermometers

ACCBOT30BIO - ACCBOT60SD - ACCBOT60BIO - ACCBOT30SD

- *Insulating Liquid Is Biodegradable and Safe*
- *For Freezers, Refrigerators, Incubators, Ovens & Ambient*
- *Plastic Bottles Unbreakable*
- *1 Complete Bottle & Cap*
- *Neoprene Cap Liner Prevents Liquid Leakage*
- *1 Pair Of Adhesive Backed Magnets For Bottle Mounting*
- *30ml 60ml and 250ml Bottles*
- *High Temperature Bottle Filled With Fine Granulated Sand* **

Bio-Safe

Glycol / Water
Bottle Medium

Space Saving Dual Magnets for quick release to record temperate. Each magnet has an adhesive backing to attach onto Stainless, ABS, or Glass walls of refrigerators or freezers

CATALOG No.	Bottle Size	Bottle Media	Maximum Bottle Temperature
ACCBOT30BIO	30ml	Bio-Safe Liquid	70°C (158°F)
ACCBOT60BIO	60ml	Bio-Safe Liquid	70°C (158°F)
ACCBOT250BIO	250ml	Bio-Safe Liquid	70°C (158°F)
ACCBOT30SD	30ml	Sand	135°C (23S°F) **
ACCBOT60SD	60ml	Sand	135°C (235°F) **

°F
°C

ACCU-SAFE - Enclosed Chamber
Verification Bottle Thermometers

FEATURES:

- *NIST Traceable*
- *Individually Serialized and Certificate Provided with each Thermometer Kit*
- *Thermometers in 0.1°C - 0.5°C and 1.0°C Divisions*
- *Environmentally Friendly Spirit Filled Thermometers*
- *Thermometers are Fluoropolymer Coated for Protection*
- *Unbreakable Bottle filled with Bio-Safe Glycol / Water Bottle Medium*

Bio-Safe
Glycol / Water Bottle Medium

Thermco's **ACCU-SAFE - Enclosed Chamber Verification Bottle Thermometers** are precise, reliable and an economical means of measuring critical temperatures in Blood Bank Refrigerators, Ultra-Low Freezers, Freezers, Refrigerators, Incubators, Ambient/Room, Block Heaters and Ovens.

All thermometers have their own unique serial number and is supplied with a NIST (National Institute of Standards and Technology) certificate to indicate the traceability of each thermometer and the standard used in the certification testing.

ACCU-SAFE Environmentally Friendly Thermometers are Spirit-Filled (Non-Mercury). Mercury model also available.

Each thermometer is encapsulated in a flouropolymer safety-shield which absorbs shock, and will enclose the liquid and splintered glass within the coating should breakage occur. Thereby keeping contaminants from user and environment.

ACCU-SAFE thermometers are housed in a unbreakable plastic bottle filled with a "NON-TOXIC" insulating liquid. This medium is used to maintain the temperature to insure accurate temperature readings without being affected by opening and closing of chamber door.

All Thermometers have thoroughly annealed glass and engraved stems for lasting accuracy in 0.1°C, 0.5°C and 1.0°C divisions to enhance the critical measurements demanded by today's regulatory agencies.

Space Saving Magnets are supplied which can be adhered to the bottle allowing the thermometer to be attached to a steel wall or door.

Block Heater thermometers are housed in a 1.5ml MICRO centrifuge tube with 1ml of USP white mineral oil.

250ml Blood Bank Refrigerator

60ml 100ml 30ml Oven Thermometers

Block Heater style Thermometer

Space Saving Dual Magnets for quick release to record tempature. Each magnet has an adheasive backing to attach onto Stainless, ABS, or Glass walls of refigerators or freezers

Environmentally Friendly Spirit Filled Thermometers (Non-Mercury)

CATALOG No.	Application	Range	Divisions	Height	Bottle Media
ACCBBS	Blood Banks Refrigerator	-5 to 20°C	0.5°C	145mm	Bio-Safe Glycol/Water - 250 ml
ACCBB210S	Blood Banks Refrigerator	-2 to 10°C	0.1°C	180mm	Bio-Safe Glycol/Water - 250 ml
ACCF100S	Freezers	-25 to -5°C	0.1°C	120mm	Bio-Safe Glycol/Water - 60 ml
ACCF0101S	Freezers	-30 to 0°C	0.5°C	125mm	Bio-Safe Glycol/Water - 30 ml
ACCR20001S	Refrigerators	-2 to 10°C	0.1°C	240mm	Bio-Safe Glycol/Water - 60 ml
ACCR0201S	Refrigerators	-5 to 15°C	0.5°C	125mm	Bio-Safe Glycol/Water - 30 ml
ACCI300S	Incubators	15 to 30°C	0.1°C	180mm	Bio-Safe Glycol/Water - 60 ml
ACCI0301S	Incubators	18 to 50°C	0.5°C	135mm	Bio-Safe Glycol/Water - 30 ml
ACCI310S	Incubators	25 to 45°C	0.1°C	190mm	Bio-Safe Glycol/Water - 60 ml
ACCAM0401S	Ambient/Room	+10 to 30°C	0.5°C	140mm	Bio-Safe Glycol/Water - 30 ml
ACCOV070S	Oven	20 to 130°C	1.0°C	135mm	Sand - 30 ml
ACCOV700S	Oven	50 to 115°C	0.5°C	240mm	Sand - 60 ml
ACCOV080S	Oven	35 to 200°C	1.0°C	145mm	Sand - 100 ml Glass Bottle
ACCULF010S	Ultra-Low Freezers	-90 to 20°C	1.0°C	145mm	Sand - 60 ml
ACCDB301	Block Heaters	18 to 60°C	0.5°C	125mm	Mineral Oil - 1 ml
ACCDB40	Block Heaters	50 to 110°C	0.5°C	165mm	Mineral Oil - 1 ml

Mercury Filled Thermometers (Hg)

CATALOG No.	Application	Range	Divisions	Height	Bottle Media
ACCBB210	Blood Banks Refrigerator	-2 to 10°C	0.1°C	180mm	Bio-Safe Glycol/Water - 250 ml
ACCF100	Freezers	-25 to -5°C	0.1°C	210mm	Bio-Safe Glycol/Water - 60 ml
ACCF0101	Freezers	-30 to 0°C	0.5°C	115mm	Bio-Safe Glycol/Water - 30 ml
ACCR200	Refrigerators	-2 to 10°C	0.1°C	180mm	Bio-Safe Glycol/Water - 60 ml
ACCR0201	Refrigerators	-5 to 15°C	0.5°C	125mm	Bio-Safe Glycol/Water - 30 ml
ACCI300	Incubators	15 to 30°C	0.1°C	180mm	Bio-Safe Glycol/Water - 60 ml
ACCI0301	Incubators	18 to 50°C	0.5°C	135mm	Bio-Safe Glycol/Water - 30 ml
ACCI310	Incubators	25 to 45°C	0.1°C	190mm	Bio-Safe Glycol/Water - 60 ml
ACCOV070	Oven	20 to 130°C	1.0°C	135mm	Sand 30ml
ACCOV700	Oven	95 to 115°C	0.1°C	200mm	Sand 60ml
ACCOV080	Oven	35 to 200°C	1.0°C	145mm	Sand 100ml

BLOOD BANK - Thermometer

Temp-Check Thermometer determines the temperature of small bags or containers in seconds. Designed for hospital or laboratory use, it measures the temperature of plasma, red blood cells, cryo precipitate or other materials that are placed on the sensing pad. This noninvasive instrument allows personnel to determine if blood or plasma is at the right temperature for transfusion, or if it is safe to return to stock at the blood bank. The Temp-Check thermometer uses a fast acting Type K thermocouple within an insulated pad to measure a temperature range of 0°C to +40°C with an accuracy of ±2°C. The unit is extremely simple to operate. Just plug it into any standard 120v electrical outlet and place the item to be checked on the center of the sensing pad. Readout response is rapid, typically within 30 seconds. For easy portability, this unit includes a built-in NiMH battery with a trickle charger. When the battery is fully charged, it will run for about 12 hours. Press the button to the left of the display and the display will stay on for two minutes and then shut off to conserve power. The battery will recharge when the unit is re-connected to line power.

FEATURES:

- *CAP regulation TRM42470 compliant*
- *30 second response time*

APPLICATIONS:

- *Validating the temperature of thawed plasma*
- *Validate RBC for OR*
- *Enhance Blood Bank procedure and quality control.*
- *Verifying the temperature of blood products being received in the blood bank.*
- *Checking red blood cells returned to blood bank from the floor or operating room.*

SPECIFICATIONS:

Range 0/40°C
Accuracy ±2°C
Power 120 AC 60Hz

Themco Products Inc recommends a calibration check once a year.

CATALOG No.	Description
HCBB1000	Blood Banking Thermometer

Blood Bank Thermometer

Critical 4° to 6°C range indicated by etched arrows

Our blood bank thermometer is designed to be placed in a liquid solution for indicating the critical temperature in blood bank refrigerators. Total immersion thermometer meets NIH recommendation.
Glass with a 6" etched stem. Graduated in 1° divisions. Range is -5° to 20°C.

CATALOG No.	Description
ACC717S	Blood Bank Thermometer
ACC717SSC	Blood Bank Thermometer with Safety Coating

BLOOD TYPING WORKSTATION THERMOMETER

Thermco's **Workstation Thermometer** is designed to monitor the temperature of cells in the workstation reference card.
The beaded probe is inserted into the card through the foil cover.
Probe wire is 1mm in diameter and fits easily under the workstation cover.
The thermometer has double velcro for attachment of the thermometer to the side of the workstation.
The WS0013FC is certified at 37°C and traceable to N.I.S.T. and ISO 17025/ILAC with a full calibration certificate.

CATALOG No.	DESCRIPTION
WS0013FC	Workstation Thermometer

SPECIFICATIONS:

Measuring Range:	-64 to 200°C (-83 to 392°F)
Accuracy:	±0.5°C (±0.9°F)
Display Resolution:	0.1°
Display:	7 Segment LCD
Housing:	ABS
Weight:	80g
Size:	78 (h) X 43 (w) X 20 (d) mm

Thermco's **Slide Warmer Thermometer** was designed to monitor the surface temperature during tissue mounting and staining proceedures. The probe is mounted on a 3" x 1"
slide to simulate the temperature of the slides on the surface. The thermometer has double velcro to mount on the front or side of the warmer.
The SW0013FC thermometer is certified at 40°C and 54°C commonly used proceedures and is traceable to N.I.S.T. / ISO17025 with a full calibration certificate.

CATALOG No.	DESCRIPTION
SW0013FC	Slide Warmer Precision Thermometer

SPECIFICATIONS:

Measuring Range:	-64 to 200°C (-83 to 392°F)
Accuracy:	±0.5°C (±0.9°F)
Display Resolution:	0.1°
Display:	7 Segment LCD
Housing:	ABS
Weight:	80g
Size:	78 (h) X 43 (w) X 20 (d) mm

°F
°C

Call: 973.300.9100
e-mail: Info@ThermcoProducts.com

PRECISION - Pt100 Thermometers

The **ACCD750P** and **ACCD755P** Handheld Pt100 Thermometers are High Precision, Metrology Grade, NIST Traceable Instruments. These high accuracy thermometers are used when temperature measurement are critical and/or when online documentation is required. The 750P and 755P are also used as a NIST Standard to verify and calibrate routinely used instruments. When certified is Tracable to NIST. Optional DE-Graph Windows Software for graphic and tabular documentation.

FEATURES:

- ***NIST Traceable - DKD/DAkkS***
- *USB interface*
- *High measuring accuracy*
- *Integrated calibration function for simple compensation of sensor tolerances*
- *Physical 1-point, 2-point or 3-point calibration function*
- *Measuring channels are freely assignable*
- *Recording maximum, minimum, hold and average values*
- *Integrated sensor holder for one hand operation*
- *Simultaneous display of two measured values*
- *Differential temperature display (ACCD755P only)*
- *NIST Tracable Certificate Available*
- *For Accessories see Page 44*

High-Precision ±0.03°C Accuracy

Hazardous Area
Explosion Proof Models
Intrinsically Safe for
Ex ib IIB T4 zone 1, 2

Laboratory and Industry Applications:

- For taking measurements for quality assurance under ISO 9000
- As a reference system for your laboratory.
- For taking comparison measurements.
- Long-period monitoring of temperature with online documentation

CATALOG No.	DESCRIPTION
ACCD750P	Single Probe - Pt100 High Precision Digital Thermometer
ACCD755P	Dual Probe - Pt100 High Precision Digital Thermometer
ACCD750PEX	Explosion Proof 1 Probe Pt100 Digital Thermometer
ACCD755PEX	Explosion Proof 2 Probe Pt100 Digital Thermometer

SPECIFICATIONS:	
Measuring Range:	-200°C to +850°C
Accuracy Pt100:	±0.03°C from -50°C to +199.99°C ±0.05°C from -200°C to 200°C otherwise 0.05 % of reading
Resolution:	0.01°C (-200°C to +200°C) otherwise 0.1°C respectively 0.1 %
Connectors:	DIN 8-pole
Display:	2-line LCD
Data Connector:	USB
Working Temperature:	0 to +40°C (32 to +104°F)
Housing:	plastic (ABS)
Dimensions:	8.0" x 3.5" x 1.5" (L-W-H)
Weight:	0.6 lbs
Power supply:	1 x 9v battery
Batterie life:	appr. 20 hr

ACCD750P & ACCD755P General Purpose Pt100 Probes, ±0.20°C, 4 Wire platinum - 1 Meter Cable PVC

CATALOG NO.	Probe Type	T90 Response Time	Measuring Range	Length x Dia.
ACCD1001PT	Immersion w/ handle	8 sec.	-50 to +350°C	150 x 3mm
ACCD1002	Immersion w/ handle	8 sec.	-50 to +350°C	300 x 3mm
ACCD1005	Immersion w/ handle	8 sec.	-50 to +350°C	500 x 3mm
ACCD1006	Insertion w/ handle	10 sec.	-50 to +350°C	150 x 4mm
ACCD1007	Insertion w/ handle	10 sec.	-50 to +350°C	300 x 4mm
ACCD1059	Surface - w/ handle & buffer-block	45 sec.	-40 to +300°C	150 x 6mm
ACCD1075	Surface - Self Adhesive silicone patch	<3 sec.	-20 to +250°C	35x13x2mm

ACCD750P & ACCD755P High Precision Pt100 Probes, ±0.03°C (-30 to +200°C) - 1 Meter Cable PVC

CATALOG NO.	Probe Type	T90 Response Time	Measuring Range	Length x Dia.
ACCD1018	Immersion w/ handle	12 sec.	-200 to +450°C	150 x 3mm
ACCD1019	Immersion w/ handle	12 sec.	-200 to +450°C	300 x 3mm
ACCD1023	Immersion w/ handle	5 sec.	-200 to +450°C	300 x 1.4mm
ACCD1078	Immersion w/ handle	12 sec.	-200 to +450°C	300 x 6.0mm

PRECISION - Smartprobe Thermometer

Temperature measuring instrument which meets the highest demands.
The 2-channel resistance thermometer automatically detects our Pt100 smartprobes with have an integrated EEprom where the calibration characteristic of each probe is transferred automatically to the instrument.
The thermometer will achieve a system accuracy of ± 0.015K (instrument + probe).
Both measuring channels can be easily seen on the large LCD display.
The instrument contains numerous functions for the measurement and visualization of readings.
Integrated calibration functions, including the intelligent EEprom probes, takes this compact instrument to a high performance class, making it ideally suitable as a primary reference standard.

FEATURES:

- ***NIST Traceable - DKD/DAkkS***
- *2 channel instruments, for Pt100 according EN 60751*
- *Simultaneous display of two measured values or differential measurements.*
- *Recording maximum, minimum, hold & average values (average over user selectable time)*
- *High measuring accuracy (+ 0.010 °C)*
- *Data Logger function for up to 6,000 measurements*
- *Integrated calibration function (acc. EN60751 up to 14 points)*
- *USB Data interface*
- *Password protection for calibration function*
- *Manufacturers test certificate include*
- *Optional DKD or ISO system calibration certification*
- *For Accessories see Page 44*

High-Precision ±0.015°C Accuracy

CATALOG No.	DESCRIPTION
ACCD795P	Dual Probe - Pt100 High Precision Digital Thermometer,

SPECIFICATIONS:	
Input Eprom-probes:	2-Channel, Pt100 (EN60751)
Measuring Range:	-200°C to +850°C
Accuracy Pt100:	±0.015°C from -50°C to +199.99°C otherwise ±0.025% of reading
Resolution:	**0.001°C** (-200°C to +200°C) remaining range 0.01°C
Connectors:	DIN 8-pole x 2
Memory:	appr. 6000 measurements
Measuring interval:	Adjustable: 1 second to 30 minutes
Display:	2-line LCD
Data Connector:	USB
Working Temperature:	0 to +40°C (32 to +104°F)
Housing:	plastic (ABS)
Dimensions:	8.0" x 3.5" x 1.5" (L-W-H)
Weight:	0.6 lbs
Power supply:	1 x 9v battery
Batterie life:	appr. 20 hr

Note: ACCD795P is supplied with USB Data Cable

ACCD795P ONLY Pt100 Smartprobes

CATALOG NO.	Probe Type	T90 Response Time	Measuring Range	Length x Dia.
ACCD1773	Immersion w/ handle	7 sec.	-200 to +450°C	150 x 3mm
ACCD1774	Immersion w/ handle	7 sec.	-200 to +450°C	300 x 3mm
ACCD1778	Immersion w/ handle	7 sec.	-200 to +450°C	150 x 6mm
ACCD1779	Immersion w/ handle	7 sec.	-200 to +450°C	630 x 6mm
ACCD1784	Immersion w/ handle	7 sec.	-200 to +450°C	300 x 6mm

PRECISION - Thermocouple Thermometers

The **ACCD710P** and **ACCD715P** Digital Thermocouple Thermometers are a economically priced solution for precision measurements on a wide range temperate measuring needs.
By using thermocouple types J, K, L, N, T a range of -200°C to +1370°C (-328°F to 2498°F) can be obtained.
These instruments can be used in many applications.

Areas of applications:
Industrial furnace control, taking surface measurements or differential temperature on heating systems (ACCD715P only) .

FEATURES:

- *USB interface*
- *High measuring accuracy*
- *Integrated calibration function for simple compensation of sensor tolerances*
- *Physical 1-point, 2-point or 3-point calibration function*
- *Measuring channels are freely assignable*
- *Recording maximum, minimum, hold and average values*
- *Integrated sensor holder for one hand operation*
- *Simultaneous display of two measured values*
- *Differential temperature display (ACCD715P only)*
- *DKD/DAkkS Calibration*
- *NIST Tracable Certificate Available*

CATALOG No.	DESCRIPTION
ACCD710P	Single Probe - Thermocouple High Precision Digital Thermometer
ACCD715P	Dual Probe - Thermocouple High Precision Digital Thermometer

SPECIFICATIONS:	
Measuring Range	-200°C to +1370°C
Accuracy Thermocouple K, J, L, N, T	±0.2°C from -40°C to +200°C ±0.5°C from +201°C to +1000°C otherwise 1.0°C
Resolution	0.01°C & °F
Connectors	DIN 8-pole
Display	2-line LCD
Data Connector	USB
Working temperature	0 to +40°C
Housing	plastic (ABS)
Dimensions	8.0" x 3.5" x 1.5" (L-W-H)
Weight	0.6 lbs
Power supply	1 x 9v battery
Batterie life	appr. 20 hr

ACCD710P & ACCD715P Thermocouple Type K - 1 Meter Cable PVC

CATALOG NO.	Probe Type	Measuring Range	Length x Dia.
ACCD0507	Immersion w/ handle	-40 to +400°C	120 x 3mm
ACCD0501	Immersion w/ handle	-100 to +1100°C	300 x 1.5mm
ACCD0503	Immersion w/ handle	-100 to +1100°C	300 x 3mm
ACCD0515	Surface w/ handle	-100 to +1100°C	300 x 3mm
ACCD0511	Insertion w/ handle	-100 to +1100°C	300 x 4mm

Accessories For ACCD795P / ACCD750P - ACCD755P / ACCD710P - ACCD715P

CATALOG NO.	DESCRIPTION
ACCD0081PD	Windows Software Smartgraph for online documentation
ACCD0046	USB Data Cable
ACC00007PD	Service Case for instrument, probe & accessories, Blue Plastic with inserts
ACC99050005	Heat-conductive paste 20g for better heat transmission for measuring the surface
ACCD10795	USB Power Pack

PRECISION - Pt100 Platinum Certified Thermometer

The ACCD370P & ACCD372P Dual Probe Precision RTD Digital Thermometers can be used as a Laboratory Temperature Standard, for the verification and calibration of liquid-in-glass, digital and dial bi-metal thermometer; as well as laboratory instruments such as freezers, refrigerators, incubators, ovens, etc.

The PRECISION - Pt100's are traceable to NIST Standards and is furnished with a certificate proving traceability.

The ACCD370P & ACCD372P are loaded with the features requested by most laboratories.

FEATURES:

- ***NIST Traceable***
- *Includes Certificate of Accuracy*
- *Includes Insertion Probe.*
- *Pt100 Platinum according to EN 60751.*
- *Accuracy ± 0.1°C -30° to 110°C*
- *± 0.5°C below -30°C & ± 0.4°C above 110°C.*
- *Resolution: 0.1°C & °F.*
- *Records Minimum, Maximum & Average Temperatures.*
- *Temperature Hold Function.*
- *IP67 Water Proof Housing to work in almost all kinds of environments.*
- *Backlight.*
- *Display: 7 Segment LCD.*
- *Power: 3 AAA Batteries, Included.*
- *Dimensions: 6" x 2 ½" x 1 ¼"*

Dual - Pt100 Platinum Thermometer model: ACCD372P

CATALOG No.	DESCRIPTION
ACCD370P	Single Pt100 Platinum Thermometer, -100/300°C & °F x 0.1°C & °F
ACCD370PFC	Certified at -20,0,4,25,37,56,95,121 °C
ACCD370PUFC	Certified at -80.-20,0,4,25,37 °C
ACCD370PDFC	Certified at -20,0,4,23,32 °C
ACCD370PWFC	Certified at -20,0,4,25,37,44.5,105,121,1 80 °C
ACCD372P	Dual Pt100 Platinum Thermometer, -100/300°C & °F x 0.1°C & °F

SPECIFICATIONS:

Inputs	Pt100, 4-wire
Measuring range	-100°C to +300°C (-148~572°F)
Accuracy (±1 digit)	±0.4°C (instrument only)
Resolution	0.1°C 0.1°F
Connectors	DIN 45326 8-pole
Working temperature	0°C to +50°C
Display	2-Line LCD
Housing	Plastic (ABS)
Dimensions (LxWxH)	150 x 66 x 31 mm
Weight	350 g
Power supply	3 x 1.5 Volt AAA
Batterie life	appr. 100 hr

Pt100 Platinum / Thermocouple Thermometers

- *4-Wire Technology for Pt100*
- *MAX, MIN, HOLD, AVG functions*
- *Calibration Function*
- *USB Interface*
- *Store 20 Measurements in Memory*
- *Single and Dual Probe Models*
- *Probes case and software sold separately*

°F
°C

SPECIFICATIONS:

Inputs	Pt100, 4-wire
Measuring range	-200°C to 850°C
Accuracy (±1 digit)	±0.3°C (instrument only)
Resolution	0.1°C from -99.9°C to 399.9°C, otherwise 1°C
Memory	20 Measurements
Connectors	DIN 45326 8-pole
Working temperature	0°C to 50°C
Display	2-Line LCD
Housing	Plastic (ABS)
Dimensions	150 x 74 x 32 mm (LxWxH)
Weight	217 g
Power supply	2 x 1.5 Volt AA
Battery life	appr. 160 hr

DIGITAL "K" - Thermocouple Thermometers

DIGITAL "K" Dual Probe

DIGITAL "K" Single Probe

FEATURES:

- ***NIST Traceable***
- *10 Memory Storage*
- *Recall Minimum / Maximum Function*
- *High-Low Audible Alarm Function*
- *Count Up Timer (Set from 23 Hr. 59Min. to 1 Min.)*
- *Differential Temperature Measurement (ΔT = TI-T2), ACC960K2 Only*
- *Optional 1 Hour Shut Off*
- *Low Battery Indicator*
- *Back Light*
- *PVC Boot for Protection*
- *Flip-Out Stand*
- *Order Probes Separately*

CATALOG NO.	DESCRIPTION
ACC950K	NIST Traceable Digital "K" Thermocouple Thermometers, Single Probe
ACC960K2	NIST Traceable Digital "K" Thermocouple Thermometers, Dual Probe

ACCESSORIES:	DESCRIPTION
ACC952K	Immersion Probe, 200 x 5mm Probe, -50 to 700°C
ACC954K	Penetration Probe, 200 x 5mm Probe, -50 to 700°C
ACC958K	Surface Probe, 200 x 5mm Probe, -50 to 700°C, 90° Angle

SPECIFICATIONS:	
Measurement Range	-200° to 1370°C (-328° to 2498°F)
Measurement Accuracy	2.0°C, -200° to 50°C & 4.0°F, -328° to -58°F 1.5°C, -49° to 740°C & 3.0°F, -56° to 1364°F 4.0°C & 7.0°F Above
Resolution	0.1° for the Whole Range
Differential Measurement	(ΔT = TI-T2), ACC960K2 Only
Count Up Timer	Set from 23 Hr. 59Min. to 1 Min.
Power	3 AAA Battery
Included with Unit	3 AAA Batterys, Dust Protector & Water Resistant Case, NIST Traceable Certificate

Radio Control - Remote Digital Thermometers

Radio - Remote Digital Thermometer, For Freezers, Refrigerators and Incubators.

ACCD303410 *Receiver & 1 Transmitter*
ACCD303163 *Transmitter Only*

- ***NIST Traceable w/Certificate***
- *Monitor Up To 3 Instruments With Each Thermometer Utilizing Mutiple Transmitters*
- *Monitor Distance Up To 110 Yards (100 Meters)*
- *12/24 Hour Clock*
- *10mm LCD Digital Readout*
- *Also Read Current Ambient Temperature*
- *Minimum/Maximum Recall*
- *Instrument For Hanging Or Standing*
- *Temperature Range: -40/65ºC (-40/149ºF)*
- *Resolution: 0.1º*
- *Accuracy: ±1.0ºC*
- *Size: Receiver - 113 x 67 x 28mm, Transmitter - 86 x 32 x 15mm*

CURRENT-MINIMUM-MAXIMUM Wall/Room Thermometer

ACCD1017MM

- ***NIST Traceable w/Certificate***
- *Current-Maximum-Minimum LCD Display*
- *Water Splash Proof*
- *Fahrenheit / Celsius Selectable*
- *Flip-Out Stand & Suspension Hole on back*
- *Temperature Range: -40/70º C (-40/158º F)*
- *Resolution: 0.1º C & º F*
- *Accuracy: ±1º C (±1.8º F)*
- *Battery: 1.5 Volt AAA included*

Window & Wall/Room Thermometers

CURRENT-MINIMUM-MAXIMUM Wall/Room Thermometer

ACCD1039MM

- ***NIST Traceable w/Certificate***
- *Current-Maximum-Minimum LCD Display*
- *Water Splash Proof*
- *Fahrenheit / Celsius Selectable*
- *Suspension Hole on top*
- *Temperature Range: -20/70º C (-4/58º F)*
- *Resolution: 0.1º C & º F*
- *Accuracy: ±1º C (±1.8º F)*
- *Battery: 1.5 Volt AAA included*

DIGITAL Window Thermometer

ACC809DIG
ACC809SUP *"Supra Model"*

- ***NIST Traceable w/Certificate***
- *Easy-View, Suction Cup attaches to Inside of Instrument Glass Door Or Window*
- *Supplied with Valcro Strap to attach to othen than window*
- *Range: -20/60°C*
- *Accuracy: ±1º C (±1.5º F) ±0.5°C (1.0°F) "Supra Model"*
- *Resolution: 0.1º*
- *Size 1.0" x 2.5" x 0.5"*

TRIPLE DISPLAY - Digital Window Thermometer

ACCD301025
ACCD301025SUP *"Supra Model"*

- ***NIST Traceable w/Certificate***
- *View Current, Minimum / Maximum Temperatures At Same Time*
- *Minimum/Maximum Temperatures Update Automatically*
- *Attaches To Inside of Instrument Glass Door Or Window*
- *Supplied With Adhesive Strip To Attach*
- *Range -20/70°C (-4/158°F)*
- *Accuracy: ±1º C (±1.5º F) ±0.5°C (1.0°F) "Supra Model"*
- *Resolution: 0.1°C*
- *Size: 4.00" x 4.25" x 0.75"*

"FLIP PROBE" Digital Pocket Thermometer

ACC500DIG

Adjustable Angle Thermometer: 45°, 90°, 135°, 180°

FEATURES:

- *5 1/8" Probe*
- *Includes NIST Traceable Certificate*
- *Probe Folds In & Out for On & Off Switch*
- *Data Hold/Test Function*
- *1 Second Temperature Sensing Time*
- *Minimum/Maximum Memory*
- *C/F Switchable*
- *Range: -50˚ to 300˚C (-58˚ to 572˚F)*
- *Resolution: 0.1°*
- *Accuracy: ± 1.0°C (1.8°F)*

INTERNAL-EXTERNAL Min/Max Memory Digtal Thermometer

ACC850DIG

- ***NIST Traceable w/Certificate***
- *Tri-Display For Current, Min And Max Temperatures*
- *Inernal & External Temperature Measuring*
- *Programmable Low And High Alarm Limit*
- *External Probe with 3 Meters Cord Length*
- *Temp Range: Internal 0° to 50°C (32° to 122°F)*
  External -50° to 70°C (-58° to 158°F)
- *Accuracy: ±1.0°C (1.8°F)*
- *Resolution: 0.1°*
- *C/F Switchable*
- *10 seconds Display Update*
- *Low Battery Indication*
- *Magnet Attachment and Velcro Magic Tape Fixing*

NIST POCKET THERMOMETER W/PROBE Digital Thermometer

ACC550DIG

- ***NIST Traceable w/Certificate***
- *Pocket Size 4.5" x 2.5" x .5"*
- *Attached Bench Stand*
- *Minimum / Maximum Memory*
- *Programmable High / Low Alarm*
- *Data Hold / Test Function*
- *C/F Switchable*
- *Range: -50° to 300°C (-58° to 572°F)*
- *Resolution: -20° to 200° = 0.1°, outside range 1.0°*
- *Accuracy: ± 1.0°C between -25° to 150°C, 1.5° remaining range*

TRIPLE DISPLAY - LARGE DIGIT MIN/MAX Digital Thermometer

ACC895DIG

- ***NIST Traceable w/Certificate***
- *3 Temperatures Displayed... Current-Min-Max*
- *Large Display... 79mm(3")w x 66mm(2.625")h*
- *Minimum / Maximum Memory*
- *Outdoor Sensor Cable Length 10 feet*
- *Programmable High/Low Alarm*
- *Low Battery Indicator*
- *Data Hold / Test Function*
- *C/F Switchable*
- *Range: internal 0° to 50°C (32°/122°F)*
  external probe -50° to 70°C (-58°/158°F)
- *Resolution: 0.1°*
- *Accuracy: ± 1.0°C (1.8°F)*
- *Thermometer Size 98mm x 110mm x 21mm*
- *Battery Included (1 AAA)*

MIN/MAX Digital Thermometer

ACC800DIG

- ***NIST Traceable w/Certificate***
- *Dual Temp Display*
- *Internal Sensor and External Probe*
- *Minimum / Maximum Memory*
- *Extrnail Sensor Cable Length 10 feet*
- *C/F Switchable*
- *Range: internal 0º to 50ºC (32°/122°F) external probe -50º to 70ºC (-58°/158°F)*
- *Resolution: 0.1º*
- *Accuracy: ± 1.0ºC 1.8ºF*
- *Thermometer Size: mm x mm x mm*
- *Battery Included (1 AAA)*

LARGE DIGIT MIN/MAX Digital Thermometer

ACC840DIG

- ***NIST Traceable w/Certificate***
- *Dual Temp Display*
- *Internal Sensor and External Probe*
- *Large Display*
- *Minimum / Maximum Memory*
- *Outdoor Sensor Cable Length 10 feet*
- *C/F Switchable*
- *Range: internal 0º to 50ºC (32°/122°F) external probe -50º to 70ºC (-58°/158°F)*
- *Resolution: 0.1º*
- *Accuracy: ± 1.0ºC 1.8ºF*
- *Thermometer Size*
- *Battery Included (1 AAA)*

GENERAL PURPOSE WATERPROOF HACCP TESTED w/PROBE Digital Thermometer

ACCD200DIG

- ***NIST Traceable w/Certificate***
- *Waterproof*
- *HACCP Tested*
- *4"x.125" Insertion Probe & Cable*
- *Large Display*
- *Minimum / Maximum - Hold Functions*
- *Pocket Clip and Bench Stand*
- *C/F Switchable*
- *Range: -40º to 200ºC (-40°/400°F)*
- *Resolution: 0.1º*
- *Accuracy: ± 1.0ºC between -25° to 150° 1.5° remaining range*
- *Thermometer Size 4"(h) x 2.125"(w) x .75"(d)*

LABORATORY WATERPROOF HACCP TESTED W/PROBE Digital Thermometer

ACCD101DIG

- ***NIST Traceable w/Certificate***
- *Waterproof*
- *HACCP Tested*
- *4"x.125" Insertion Probe & Cable*
- *Minimum / Maximum - Hold Functions*
- *Programmable High/Low Alarm*
- *Magnet and Bench Stand*
- *C/F Switchable*
- *Range: -40º to 200ºC (-40°to 400°F)*
- *Resolution: 0.1º*
- *Accuracy: ± 1.0ºC between -25° to 150° 1.0° remaining range*

ACCD102DIG

Same As ***ACC101DIG*** *execpt for*

- *Range: -50º to 70ºC (-58°to 158°F)*
- *1.125"x.125" Immersion Probe & Cable*

Digital Stem Thermometers

Watertight Folding Pocket Thermometers

ThermoJack PRO
Flip Probe Thermometer
ACCD0552DIG

ThermoJack
Flip Probe Thermometer
ACCD0553DIG

Fold-out thermometer in pocket-size, for easy temperature measurements in liquid and powdered materials. The food safe housings are completely water-tight and easy to clean!

Features:

- *Fold-Out Pocket Size*
- *Very Fast Response Time*
- *1-Second Measuring Intervals*
- *Automatic Power Off*
- *Reduced-Tip Probe*
- *Water-Tight IP65*
- *°C &°F Switchable*
- *HACCP Conform Tested*
- *Includes Calibration Certificate*

Specifications

	ThermoJack Pro	ThermoJack
Catalog No.	ACCD0552DIG	ACCD0553DIG
Range:	-50 to 350°C	-40 to 250°C
Response Time:	4 Seconds in water	6 Seconds in water
Probe Length	4.5”	2.875”
Accuracy:	±0.5°C (-30/150°C) Remaining Range ± 1.0°C	
Resolution:	0.1°C	
Protection Class:	IP65	
Power:	CR2032	
Dimensions:	150(260) x 40 x 18mm	116 x 38 x 20
Weight:	73g	42g

LABORATORY LONG STEM Digital Thermometer

ACC3105DIG

- *5” Stainless Steel Stem w/Probe Cover*
- *NIST Traceable w/Certificate*
- *C/F Switchable*
- *Range: -50°/200°C (-58°/392°F)*
- *Resolution: 0.1°*
- *Accuracy: ± 1.0°C between -20° to 120°C*

““SUPRA” model Accuracy ± 0.2° & 0.5°

Catalog No. ACC3105SUP

ACC310DIG

- *8” Stainless Steel Stem w/Probe Cover*
- *NIST Traceable w/Certificate*
- *C/F Switchable*
- *Range: -50°/300°C (-58°/572°F)*
- *Resolution: -20° to 200° = 0.1°, outside range 1.0°*
- *Accuracy: ± 1.0°C between -30° to 150°C*

“SUPRA” model Accuracy ± 0.2° & 0.5°

Catalog No. ACC310SUP

ACC310DMM

- *Range: -50°/300°C (-58°/572°F)*
- *8” Stainless Steel Stem w/Probe Cover*
- *NIST Traceable w/Certificate*
- *Minimum/Maximum Recall*
- *Resolution: -20° to 200° = 0.1°, outside range 1.0°*
- *Accuracy: ± 1.0°C between -20° to 150°C*

“SUPRA” model Accuracy ± 0.2° & 0.5°

Catalog No. ACC310MMSUP

ACC3108DIG

- *Range: -50°/200°C (-58°/392°F)*
- *8” Stainless Steel Stem w/Probe Cover*
- *NIST Traceable w/Certificate*
- *C/F Switchable*
- *Resolution: 0.1°*
- *Accuracy: ± 1.0°C between -20° to 120°C*

“SUPRA” model Accuracy ± 0.2° & 0.5°

Catalog No. ACC3108SUP

ACC310DLS

- *Range: -50°/300°C (-58°/572°F)*
- *12” Stainless Steel Stem w/Probe Cover*
- *NIST Traceable w/Certificate*
- *Minimum/Maximum Recall*
- *Resolution: -20° to 200° = 0.1°, outside range 1.0°*
- *Accuracy: ± 1.0°C between -30° to 150°C*

“SUPRA” model Accuracy ± 0.2° & 0.5°

Catalog No. ACC310DLSSUP

WATERPROOF / SHOCK PROOF Digital Thermometer

ACC400DIG

- 5"x .14" Stainless Steel Stem w/Cover
- Waterproof
- Shock proof
- Minimum/Maximum Memory
- Hold/Test Function
- Head 1 3/4"dia.
- NIST Traceable w/Certificate
- C/F Switchable
- Range: -50/300°C (-58°/572°F)
- Resolution: 0.1°C (-20 to 200°C) outside range 1.0°
- Accuracy: ± 1.0°C -20° to 120°C

ACC400SUP *SUPRA ± 0.2° & 0.5°C*

ACC420DIG

- 5"x .14" Stainless Steel Stem w/Cover
- Waterproof
- Shockproof
- Minimum/Maximum Memory
- Hold/Test Function
- Head 1 3/4"dia.
- NIST Traceable w/Certificate
- C/F Switchable
- Range: -40/150°C (-40°/302°F)
- Resolution: 0.1°C (-20 to 200°C) outside range 1.0°
- Accuracy: ± 0.5°C -10° to 100°C

ACC420SUP *SUPRA" ± 0.2° & 0.5°C*

180° ROTATING HEAD Digital Thermometer

ACC340DIG

- 8" Stainless Steel Stem w/Probe Cover
- Thermometer Head Rotates for Easy Reading
- NIST Traceable w/Certificate
- C/F Switchable
- Range: -50/150°C (-58°/302°F)
- Resolution: 0.1°
- Accuracy: ± 1.0°C 1.8°F

ACC345DIG

- 5" Stainless Steel Stem w/Probe Cover
- Thermometer Head Rotates for Easy Reading
- NIST Traceable w/Certificate
- C/F Switchable
- Range: -50/150°C (-58°/302°F)
- Resolution: 0.1°
- Accuracy: ± 1.0°C 1.8°F

WATERPROOF POCKET Digital Stem Thermometers

ACC370DIG

- Range: -50/300°C (-58/572°F)
- 3 1/2" Stainless Steel Stem w/Cover
- Waterproof
- Minimum/Maximum Function
- NIST Traceable w/Certificate
- C/F Switchable
- Resolution: 0.1°C (-20 to 200°C) outside range 1.0°
- Accuracy: ± 1.0°C (-20 to 120°C)

ACC370SUP *SUPRA ± 0.2 & 0.5°C*

ACC600DIG

- Range: -50/150°C (-58/302°F)
- 4 1/2" Stainless Steel Stem w/Cover
- Min - Max & Hold Function
- Waterproof
- NIST Traceable w/Certificate
- C/F Switchable
- Resolution: 0.1°
- Accuracy: ± 1.0°C (-20 to 120°C)

ACC6558DIG

- Range: -50/300°C (-58/572°F)
- 8" Stainless Steel Stem w/Cover
- Min - Max & Recall Function
- Waterproof
- NIST Traceable w/Certificate
- C/F Switchable
- Resolution: 0.1°C (-20 to 200°C) outside range 1.0°
- Accuracy: ± 1.0°C (-20 to 120°C)

ACC6558SUP *SUPRA ± 0.2° & 0.5°C*

ACC655DIG

- Range: -50/300°C (-58/572°F)
- 4 1/2" Stainless Steel Stem w/Cover
- Waterproof
- NIST Traceable w/Certificate
- C/F Switchable
- Resolution: -20 to 200° = 0.1°, outside range 1.0°
- Accuracy: ± 1.0°C (-20 to 120°C)

T HANDLE Waterproof Digital Thermometer

ACC610DIG

- Range: -50°/150°C (-58/302°F)
- 4 1/2" Stainless Steel Stem w/Cover
- Waterproof
- NIST Traceable w/Certificate
- C/F Switchable
- Resolution: 0.1°
- Accuracy: ± 1.0°C (-20 to 120°C)

ACC610SUP *SUPRA ± 0.2° & 0.5°C*

T HANDLE Digital Thermometer

ACC320DIG

- 5" Stainless Steel Stem w/Probe Cover
- 1 1/2" Dial
- NIST Traceable w/Certificate
- C/F Switchable
- Range: -50/150°C (-58/302°F)
- Resolution: 0.1°
- Accuracy: ± 1.0°C (1.8°F)

POCKET DIAL Digital Thermometer

ACC300DIG

- 5" Stainless Steel Stem w/Probe Cover
- 1 1/2" Dial
- NIST Traceable w/Certificate
- C/F Switchable
- Range: -50/150°C (-58/302°F)
- Resolution: 0.1°
- Accuracy: ± 1.0°C (1.8°F)

NON-ROLL DIAL Digital Thermometer

ACC330DIG

- 5" Stainless Steel Stem w/Probe Cover
- 1 ½" Dial
- Non-Roll Construction
- NIST Traceable w/Certificate
- C/F Switchable
- Range: -50/150°C (-58/302°F)
- Resolution: 0.1°
- Accuracy: ± 1.0°C (1.8°F)

Call: 973.300.9100
e-mail: Info@ThermcoProducts.com

ScanTemp - Infrared Thermometers

ScanTemp - 485 Professional Handheld Infrared

With double-laser and 20:1 optical resolution

ScanTemp 485 infrared thermometer has a wide temperature range of -50 to 800°C, high precision due to special glass lens, with double-laser sighting (shows the exact spot size area), and an optical resolution of 20:1 allowing technicians to carry out accurate non-contact surface measurements for electrical and mechanical maintenance, HVAC checks, automotive testing and other applications, anywhere that temperature is a factor.

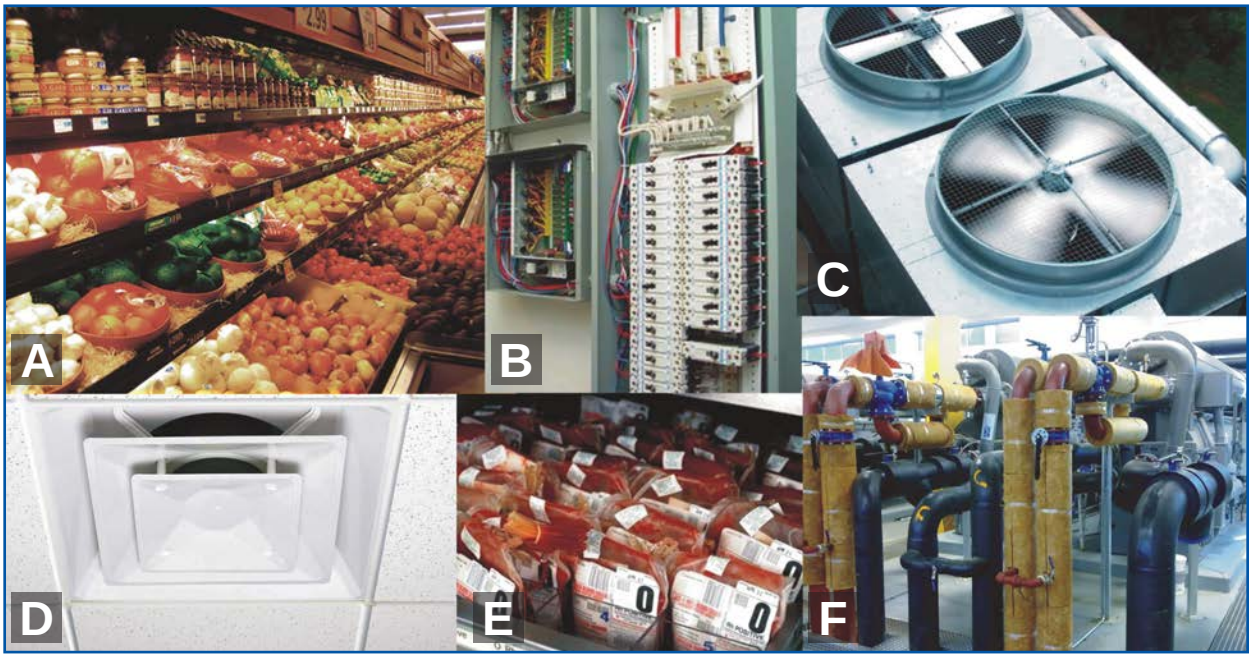
CATALOG No.	DESCRIPTION
ACCD485IR	ScanTemp 485 infrared thermometer

SPECIFICATIONS:	
Temperature range:	-50° to +800°C (-58...1472°F)
System accuracy:	±2% or ±2°C
Optical resolution (D:S):	0.8340277778
Display resolution:	0.1°C (0.1°F)
Response time (95%):	appr. 0,2 sec.
Ambient temperature:	0...50°C
Spectral response:	8 - 14 µm
Emissivity:	0.10-1.00
Signal processing:	Min/Max/Scan/Hold/Ems/°C/°F
Backlight:	Yes
High/Low alarm:	Visual and acoustic
Laser:	<1mW Laser class IIa
Weight / Dimensions:	450g; 146x104x43mm
Battery:	9V Alkaline battery
Battery life:	20 hours with 50% laser and backlight; 40 hours laser and backlight off

FEATURES:

- *Temperature range from -50 up to 800°C*
- *Precision glass optics for accurate non-contact temperature measurement*
- *Optical resolution 20:1*
- *Laser sighting with narrow beam aiming for accurate readings*
- *Adjustable acoustic High-/Low-alarm*
- *Pouch and 9v battery included*

APPLICATIONS FOR INFRARED THERMOMETERS



A - Inistantly verify temperature along long sections of refigartors.
B - Check for overloaded circuits in live service panel.
C - Safely check fan bearing temperature while in service.
D - Monitor HAVC heating & cooling temperatures that are out of reach.
E - Quickly verify blood products returned to blood bank.
F - Measure temperature of hot pipes from safe distance.

ScanTemp 410 Handheld Infrared

Read Actual & Maximum Temperature Simultaneously

ScanTemp 410 use infrared technology to measure the temperature of materials up close, or from a distance. You simple aim, pull the trigger, and read the temperature on a large, backlight LCD display. Lightweight, compact, and easy-to-use, the ScanTemp 410 can safety measure hot, hazardous, or hard-to-reach materials without contaminating or damaging the material's surface. For safe and accurate temperature measurement, reach for a ScanTemp 410.

APPLICATIONS:

- *HVAC*
- *Electrical Maintenance*
- *Road Construction*
- *Food Safety (HACCP)*
- *Commercial Printing*
- *Plastics Molding*
- *Car Maintenance*
- *Detect Process Maintenance Problems*
- *Pouch and 2 1.5v batteries included*

CATALOG No.	DESCRIPTION
ACCD0503IR	ScanTemp 410 infrared thermometer

SPECIFICATIONS:	
Temperature Range	-33° to +500°C
Accuracy	±2% or 2°C whichever is greater
Repeatability	±1,0% of reading or ±1°C, whichever is greater
Optical Resolution	11:1
Display Resolution	0.1°C (4 Digit LCD)
Working Temperature	0 to 50°C
Response time	1 second
Spectral Response	6 - 14 µm
Emissivity	0.95
Functions	MAX temperature Display hold °C/°F switchable
Backlight	Yes
Weight/Dimensions	175 x 39 x 79 mm / 180 g
Battery	2 x 1.5 volt AAA size

ScanTemp 440 Handheld Infrared

With Type K Thermocouple Input

ScanTemp 440 infrared thermometer is a non-contact infrared thermometer with a thermocouple connector that you are able to attach an assortment of type K thermocouple probes to measure core temperatures. The adjustable emissivity assures accurate measurements. For maintenance application the Audible and Visual HI-LO-Alarm is a very useful feature. For the infrared part, simply aim the thermometer at the target and press the measurement button to display the surface temperature in less than a second.

- *FEATURES:*
- *Type K Probe Input*
- *Large display area*
- *Simultaneous display of Max/Min & Alarm*
- *Laser sighting and Display Backlight*
- *Adjustable Emissivity*
- *Wide temperature range*
  Infrared -33...+500°C
  Thermocouple: -64...+1400°C
- *HOLD-, MAX-, MIN-, DIF-, AVG-, Functions*
- *Alarm function, Audible and Visual*
- *Lock mode for continuous measurements*
- *Pouch and 2 1.5v batteries included*

CATALOG No.	DESCRIPTION
ACCD0503IRK	ScanTemp 440 infrared thermometer

SPECIFICATIONS:	
Temperature Range	
Laser	-33° to +500°C
Thermocouple Input	-64° to +1400°C
Accuracy	
Laser	±2% or 2°C whichever is greater
Thermocouple Input	±1% or 1°C whichever is greater
Optical Resolution	11:1
Display Resolution	0.1°C (above 200°C 1°C)
Working Temperature	0 to 50°C
Response Time	1 second
Spectral Response	6 - 14 µm
Emissivity	Adjustable 0.10 to 1.00
Functions	Min/Max/Hold DIF/AVG/LOCK °C/°F switchable
Backlight	Yes
High/Low Alarm	Visual and Audible
Weight/Dimensions	175 x 39 x 79 mm / 180 g
Battery	2 x 1.5 volt AAA size

AccuTherm Infrared Thermometers

On All IR Thermometers .CE Marked
"NIST Compliant"

TCT8530.

Small, lighweight, economical precision infrared thermometer. Design permits one handed point and read. Laser sighting permits precise targeting to measureing surface. NIST traceable certificate is provided for assured accuracy. Belt holster and 9v battery included.
CE marked

TCT8011T

High temperature precision infrared thermometer with adjustable emissivity providing widest range for accurate measurement of different surfaces. One-handed point and read design laser sighting permits precise targeting to measureing surface. NIST Traceable Certificate is provided for assured accuracy. Belt holster and 9v battery included.
CE marked

TCT8580

High accuracy infrared thermometer with adjustable emissivity with dual laser sighting to define the diameter of the area being measured. Features include adjustable emissivity, min-max-averaging-differential temperature, data hold. NIST traceable certificate is provided for assured accuracy. Belt holster and 9v battery included.
CE marked

TCT8850H

High accuracy, mid temperature range with dual laser sighting and adjustable emissivity. The dual laser defines the area to be measured. One hand operation with withmax temperatures measurement. NIST traceable certificiate is provided for assured accuracy. Belt holster and 9v battery included.
CE marked

TCT8010H

High accuracy, high temperature IR thermometer with dual laser and 50:1 spot rated. Adjustable emissivity providing sighting providing highest range for accurate measurements. Features include max temperature. NIST traceable certificate is provided for assured accuracy. Belt holster and 9v battery included.
CE marked

TCT8011H

High accuracy, high temperature IR thermometer with dual laser and 50:1 spot rated. Adjustable emissivity with many features including min-max-average temperature, high-low temperature alarms, hold function. NIST traceable certificiate is provided for assured accuracy. Belt holster and 9v battery included.
CE marked

	SINGLE LASER		DUAL LASER			
CATALOG No.	**TCT8530**	**TCT8011T**	**TCT8580**	**TCT8850H**	**TCT8010H**	**TCT8011H**
SPECIFICATIONS:						
Temperature Range	-50°~530°C (-58°~986°F)	-50°~1100°C (-58°~2012°F)	-50°~580°C (-58°~1076°F)	-50°~850°C (-58°~1562°F)	-50°~1000°C (-58°~1832°F)	-50°~1100°C (-58°~2012°F)
Accuracy	±2 or 2°C	±2 or 2°C	±2 or 2°C	±2 or 2°C	±2 or 2°C	±2 or 2°C
Distance Spot Ratio	12:1	12:1	16:1	16:1	50:1	50:1
Emissivity Adjustable	0.95	0.1 to 1.0	0.1 to 1.0	0.1 to 1.0	0.1 to 1.0	0.1 to 1.0
Response Time - Wavelength	500ms (8-14) um	500ms (8-14) um	500ms (8-14) um	500ms (8-14) um	500ms (8-14) um	500ms (8-14) um
Repeatability	±1% or ±1°C	±1% or ±1°C	±1% or ±1°C	±1% or ±1°C	±1% or ±1°C	±1% or ±1°C
Resolution	0.1°C or 0.1°F	0.1°C or 0.1°F	0.1°C or 0.1°F	0.1°C or 0.1°F	0.1°C or 0.1°F	0.1°C or 0.1°F
Storage Temperature	-20-50°C (-4-122°F)	-20-50°C (-4-122°F)	-20-50°C (-4-122°F)	-20-50°C (-4-122°F)	-20-50°C (-4-122°F)	-20-50°C (-4-122°F)
Operating Temperature	0-50°C (32-122°F)	0-50°C (32-122°F)	0-50°C (32-122°F)	0-50°C (32-122°F)	0-50°C (32-122°F)	0-50°C (32-122°F)
°C/°F Selection	x	x	x	x	x	x
Data Hold Function	x	x	x	x	x	x
Backlight Display Selection	x	x	x	x	x	x
Auto Power Shut Off	x	x	x	x	x	x
Low Battery Indication	x	x	x	x	x	x
Max Temp Measurement				x	x	
Max/Min/Avg/Dif Temperature		x	x			x
High/Low Temp Alarm Setup		x	x			x
Power	DC 9V Battery	DC 9V Battery	DC 9V Battery	DC 9V Battery	DC 9V Battery	DC 9V Battery

OPTIONAL: NIST ISO17025 Certified w/Certificate Please Contact

POCKET - Infrared Thermometers

FLASH-PEN Infrared Thermometer

FEATURES:

- *C°/F°- Switchable*
- *Pocket w/Clip*
- *Made Durable Metal*
- *Digital Readout*

Is it hot or cold be safe and rely on this IR thermometer for quick and easy surface temperature measurements. Thousands of uses. Ideal for HVAC and plant maintenance, technicians, electricians, mechanics, health care workers, homemakers, veterinarians, professional chefs and many others.

CATALOG No.	DESCRIPTION
311125IR	Flash-Pen Infrared Thermometer

SPECIFICATIONS:	
Measuring range:	-33/220°C (-27/428°F)
Accuracy:	± 2°C or ±2%
Response time:	Appr. 1 sec.
Power supply:	2 x LR 44 button cell included
Housing:	metal with clip
Dimensions:	87 x 18 x 16 mm

MINI-FLASH Infrared Thermometer

FEATURES:

- *C°/F°- Switchable*
- *Max-Min-memory*
- *Automatic Hold*
- *Lock-mode for continues measurements*

Our Mini-Flash is very simple to use: To measure a temperature point unit at object, pull the trigger and read the measuring value from the display. The Mini-Flash is used for easy and quick measurements on surfaces.

CATALOG No.	DESCRIPTION
ACCD0414IR	Mini-Flash Infrared Thermometer

SPECIFICATIONS:	
Measuring range:	-33/220 °C (-27/428°F)
Accuracy:	0/50°C ±1.5°C, otherwise ±2°C or 2%
Repeatability:	±1.0°C or 1%
Display resolution:	0.1°C
Response time:	0.5 sec
Working temperature:	0. to 50°C
Storage temperature:	-20 to 50°C
Emissivity:	0.95 fix
Distance: Spot size:	1.3 : 1
Power supply:	1 x battery cell CR2032
Housing:	Plastic
Dimensions:	68 x 37 x 18 mm

Flash III Infrared Thermometer with Laser Spotting

FEATURES:

- *C°/F°- Switchable*
- *Min-Max memory*
- *Automatic Hold*
- *Lock-mode for continues measurements with Laser*
- *Adjustable Emissivity*

Same as Mini-Flash, but with the addition of laser and adjustable emissivity for measuring surface up to 250°C.

CATALOG No.	DESCRIPTION
ACCD0556IR	Flash III Infrared Thermometer

SPECIFICATIONS:	
Measuring range:	-55/250°C
Accuracy:	±2% or ±2°C
Repeatability:	±1.0°C or 1%
Display resolution:	0.1°C
Response time:	.05 sec.
Working temperature:	0 to 50°C
Storage temperature:	-20 to 50°C
Emissivity:	0.01 to 1.00 adjustable
Optical Resolution:	6:1
Power supply:	2 x battery cell CR2032
Housing:	Plastic
Dimensions:	104 x 60 x 21.5 mm
Weight:	110 g

DUAL TEMP PRO - Infrared Thermometer

Dual Temp Pro combines two temperature measuring devices in one. The Flip Probe measures core temperature while the Infrared measures the surface temperature without contact.

FEATURES:

- *Non-Contact measurement and core temperature in one instrument.*
- *Dual Display: Simultaneous display of both measured values.*
- *HACCP-LED indicates HI/LO-Level for food*
- *Adjustable Emissivity*
- *White LED illuminates target spot*
- *C°/F°- Switchable*
- *Max-Min Memory*
- *Automatic Hold*
- *Lock-Mode for continues measurements*
- *IP65 Waterproofed*
- *Automatic Power OFF*

CATALOG No.	DESCRIPTION
ACCD0413IR	DUAL TEMP PRO Infrared Thermometer

SPECIFICATIONS:	
Measuring range:	-33/220°C (Infrared G11) -55/220°C (Imersion Thermocouple)
Accuracy:	±1°C or 1%
Response time:	.05 sec.
Working temperature:	0°C to 50°C
Storage temperature:	-20°C to 50°C
Emissivity:	Adjustable 0.10 to 1.0
Distance: Spot size:	2.5 : 1
Power supply:	2 x AAA size
Housing:	Plastic
Dimensions:	22 x 38 x 190 mm
Weight:	160g

Temperature/Humidity Monitoring Stations
w/ Radio Remotes

KLIMALOGG PRO
Temperature/Humidity and Data Logger

ACCDTA141 Temperature-Humidity -40..+70°C, 0..99% rel. humidity
ACCDTA142 Temperature -40..+60°C

ACCDTA140

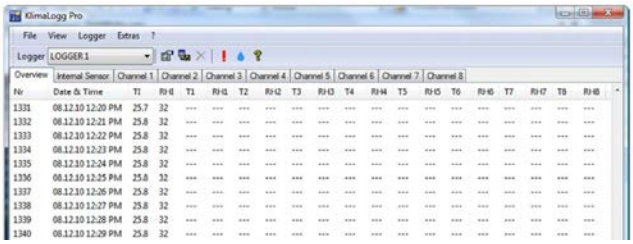
Temperature and Humidity station can record up to 50,000 sets of temperature and humidity measurement and download them wirelessly to your PC with included USB receiver. The KLIMALOGG can receive data from 8 wireless sensors; each transmitter can be labelled with it's own unique name in the software making it easy to identify and compare records. Sensors are weather proof and transmit up to 110 yards or 100 meters.

Temperature:
- *Sensor: NTC*
- *Measuring range: -20°C ... +60°C*
- *Resolution: 0.1 °C*
- *Accuracy: ±1.0°C*

Humidity:
- *Sensor: capacitive*
- *Measuring range: 0 to 99% RH*
- *Resolution: 1%*
- *Accuracy: ±3% (35 to 75%), otherwise ±7%*

- *Logging intervals: 1, 5, 10, 15, 30 min. or 1, 2, 3, 6 hrs.*
- *Work temperature: 0°C to +50°C*
- *Battery life: > 1 year*
- *Power supply: 3 x 1.5 Volt AA*
- *Dimensions and Weight: 83 x 21 x 107 mm, 400 g*

KlimaLogg Pro software (free to download)
Data measured by the sensors of your KlimaLogg Pro can be transferred and stored on your PC.



PROFESSIONAL
Temperature/Humidity and Data Logger

ACCDTA122

Same as ACCDTA140 without

1) PC Interface

2) or ability to use remote transmitters

For Complete Specifications - Accessories - Downloads Please Visit
www.ThermcoProducts.com

Diva Temperature/Humidity Monitoring Station w/ Remote Sensor

303018IT

NIST Traceable w/Certificate

- *LCD Displays Temp and Humidity, w/Comfort Level Icons*
- *Local/Remote Temperature Min/Max Memory w/Time Stamp*
- *Temperature Display In ºC or ºF*
- *RH% With Min/Max Memory*
- *Wireless Monitor Up To 2 Remote Transmitters*
- *Transmission at 868 Mhz - Max Distance 300' (100 M)*
- *Radio Controlled Time With Manual Setting Options*
- *12/24 Hour Time Display*
- *Time Zone Option ±12 Hours*
- *Weekday and Day Calendar Display*

Base Station:

Temp: -10/60°C (14/140°F) 0.1°C (0.2ºF) Resolution
Humidity Range: 1/99% RH With 1% Resolution
Low Battery Indicator
Battery: 2 x AA 1.5v
Wall Mounting Or Table Standing
Dimensions (L x W x H): 81 x 32 x 143.5 mm

Remote Transmitter:

Temp: -40/60°C (-40/140°F) 0.1°C (0.2ºF) Resolution
Battery: 2 x AAA 1.5v
Dimensions (L x W x H): 41 x 19 x 128mm
Optional External Probe

Linear Environment Monitoring Station

ACCD1044WS

NIST Traceable w/Certificate

- *LCD Displays Temp And Humidity, w/Comfort Level*
- *Local/Remote Temperature Min/Max Memory w/Time Stamp*
- *Temperature Display In ºC or ºF*
- *Rh% With Min/Max Memory*
- *Wireless Monitor Up To 3 Remote Transmitters*
- *Transmission at 868 Mhz - Max Distance 300' (100 M)*
- *Relative Atmospheric Pressure With Adjustable Reference Value*
- *Graphic Display Of Relative Air Pressure For Last 12 Hours*
- *Weather Forecasting With Weather Tendency Indicator*
- *Radio Controlled Clock, Date, Time Zone*
- *12/24 Hour Time Display*
- *Time Zone Option ±12 Hours*
- *Weekday and Day Calendar Display*

Base Station:

Temp: -10/60°C (+14/140°F) 0.1°C (0.2ºF) Resolution
Humidity Range: 1/99% RH With 1% Resolution
Battery: 2 x AA 1.5v

Remote Transmitter:

Temperature: -40/60°C (-40/40°F) 0.1°c (0.2ºF) Resolution
Battery: 2 x AA 1.5v

RH%
20
40
60
80
100

24/7 Environment Monitoring System

DESK OR WALL MOUNT Hygrometer / Thermometer with Alarm

CT31TH Is a FULL TIME multi-function, environmental monitoring, hygrometer system. It measures humidity, temperature, and dew point. It also includes audibale buzzer alarm function to notify users when humidity or temperature limits have been exceeded. Large LCD provides an easy-to-read iWnterface. Place standing on a desk, or mount to a wall. The CT31TH has a detachable probe that can be connect to a extension cable for critical sensor placement.

FEATURES:

- *NIST Traceable*
- *Large, Easy—To-Read LCD Display*
- *LCD displays Humidity and Temperature.*
- *3%RH Humidity Accuracy.*
- *Min / Max Value Monitor.*
- *Audible & Visual Alarms With Set Points*
- *Desk or Wall Mount*
- *On-Site Calibration*
  (with optional extension cable & standard calibration cell)

Back stand with hanging support.

CATALOG NO.	DESCRIPTION
CT31TH	24/7 Environment Monitoring System w/ Alarm
ACCESSORIES:	DESCRIPTION
CTRP32	Extension Cable For RH Measurement & On-Site Calibration
CT33CELL	Humidity Calibration Cell — 33% RH
CT75CELL	Humidity Calibration Cell — 75% RH
SPECIFICATIONS:	
Range	Temperature: -20 to 60°C (-4 to 140°F) Humidity: 0% to 100%RH
Accuracy	Temperature: ±0.8°C (±1.5°F) Humidity: ±3.0%RH
Dew Point Temperature	-20 to 60°C (-4 To 140°F)
Resolution	0.1°C & °F, 0.1 %RH
Sampling Rate	20 sec.
Operation Conditions	0° to 40°C (32 to 104°F)
Humidity Sensor	Electronic capacitance polymer film sensor.
Power	1 x 1.5v AAA size battery
Dimensions	140(L) x 105(W) x 26(D) mm (8.50" x 2.63" x 1.75")
Weight	Approx. 265g
Included with Unit	Batteries & Instruction Manual

33%RH / 75%RH
Humidity Standard (OPTIONAL)

For Complete Specifications - Accessories - Downloads Please Visit
www.ThermcoProducts.com

Hygrometer / Thermometers

POCKET - Hygrometer/Thermometer

ACC9237TH

- *Temperature Range : 0º to 50ºC (-32º to 120ºF)*
- *Humidity Range : +20 to 100% Rh*
- *Accuracy: ±0.5º C & F and ±4% Mid Range ±6% Elsewhere*
- *Resolution: 0.1 Temperature and Relative Humidity*
- *Minimum/Maximum Temperature and Humidity Memory Recalling*
- *Fahrenheit/Celsius Selectable*
- *Rubber Coated*
- *Plastic Storage Case Included*
- *LCD Display: 2 ¼" x ½"*
- *Dimensions: 6 ½" x 1 ½"*
- *Low Battery Indicator*
- *Battery Included*

LARGE DIGIT Thermometer/Hygrometer With Alarm Clock

ACC9216DIG

- *12 / 24 Hour Format Alarm Clock,*
- *Display size 79(W) x 66(H) mm*
- *Minimum, Maximum Memory Recalling Function*
- *Temperature Range:*
  Internal Sensor: 0° to 50°C (+32° to 122°F)
  External Sensor: -50° to +70°C (-58° to 158°F)
  Temp Accuracy: ±1°C (±1.8°F)
- *Humidity Range: 20% to 100%RH*
  Humidity Accuracy: ±5%RH
- *Fahrenheit/Celsius Selectable*
- *10 Second Display Refresh*
- *Flip-out Stand or Hanging*
- *1.5v AAA Battery Included*
- *Product size 98(W) x 110(H) x 21(D) mm*

Double - Triple Digit Display Thermometer/Hygrometer

30515

- *Double - Triple Digits Display*
- *Current, Min, Max, Temp & Humidity Readings*
- *Minimum, Maximum w/Daily Auto or Manual Reset*
- *Temperature Range: -10° to 70°C (+14° to 158°F)*
  Temp Accuracy: ±1°C (±1.8°F)
- *Humidity Range: 20 to 100% RH*
  Humidity Accuracy: ±4% 25 to 75% RH
- *Fahrenheit / Celsius Selectable*
- *Flip-out Stand or Hang*
- *Low Battery Indicator*
- *1 x 1.5v AAA Battery Included*

Internal Temp/Humidity with External Temp

ACC9213THA

- *Internal & External Temperature w/ Humidity LCD Display*
- *External Probe with 9' Sensor Probe wire*
- *Temperature Range:*
  Internal Sensor: 0° to 50°C (+32° to 122°F)
  External Sensor: -40° to +70°C (-40° to 158°F)
  Temp Accuracy: ±1.0°C 0° to 40°C (±1.8°F +32°F to +104°F)
- *Humidity Range: 20 to 99% RH*
  Humidity Accuracy: ±4% 25% to 75% RH
- *Fahrenheit / Celsius Selectable*
- *Flip-out Stand or Hang*
- *Low Battery Indicator*
- *1 x 1.5v AAA Battery Included*

LARGE DIGIT - Internal / External Thermometer w/ Hygrometer

ACCD5013TH

- *Internal / External Thermometer & Hygrometer*
- *Simultaneous Display of Internal / External Temp & Humidity*
- *Minimum, Maximum Memory Recalling Function*
- *Temperature Range: -10° to 70°C (-14° to 140°F)*
- *Humidity Range: +10 to 100% RH*
- *Accuracy: ± 1.0°C & 1.8°F and ±2% Mid Range ± 4% Elsewhere*
- *Resolution: 0.1 Temperature and 1.0% Relative Humidity*
- *Fahrenheit/Celsius Selectable*
- *1.5 Meter Cable & Probe for Outdoor Temperature & Humidity*
- *Flip-out Stand or Hanging*
- *Low Battery Indicator*
- *Battery Included*

JUMBO DIGIT Hygrometer / Thermometer

ACCDTH03

- *Temperature Range: -10° to 60°C (-14° to 140°F)*
- *Humidity Range: +10 to 100% RH*
- *Accuracy: ±1.0°C & F and ±2% Mid Range ±4% Elsewhere*
- *Resolution: 0.1 Temperature and 1.0% Relative Humidity*
- *Minimum/Maximum Temperature and Humidity Memory Recalling*
- *Fahrenheit/Celsius Selectable*
- *Flip-out Stand*
- *Low Battery Indicator*
- *Battery Included*

HYGROMETER / THERMOMETER - w/Alarm

ACCDTA100

- *Hi-Low Audible and Visual Alarm for All Parameters*
- *Temperature Range: -40º to 70ºC (-40º to 158ºF)*
- *Dew Point Range: -40º to 70ºC (-40º to 158ºF)*
- *Humidity Range: 0 to 99% RH*
- *Indication of Dew Point Temperature*
- *Wet Bulb Temperature Reading*
- *Accuracy: ± 0.5º C & F ±4% 20% to 80% ± 7% Elsewhere*
- *Resolution: 0.1 Dew Point, Temperature and Relative Humidity*
- *Minimum/Maximum Temperature and Humidity Memory Recalling*
- *Fahrenheit/Celsius Selectable*
- *Dimensions: 4" x 4" x 1 ½"*
- *Low Battery Indicator*
- *Battery Included*

6" Brass Dial Thermohygrometer Monitors Temperature and Humidity

ACCHT5063

This thermohygrometer measures both temperature and humidity in a wide variety of laboratory settings. Housed in a 6" brass case with an easy-to-read 5" dial, it is certified at a temperature range of between 0° and 100°C (0° and 210°F) to an accuracy of ±1% full scale. In addition, the thermohygrometer measures humidity between 0/100% to a ±3% full scale. It is externally calibrated and certified to meet ANSI/SAMA standards.

- *Temperature Range: 0/100°C (0/210°F) ± 1.0° C&F*
- *Humidity Range: 0/100% RH ± 3.0° Full Range*
- *Externally Calibrated*

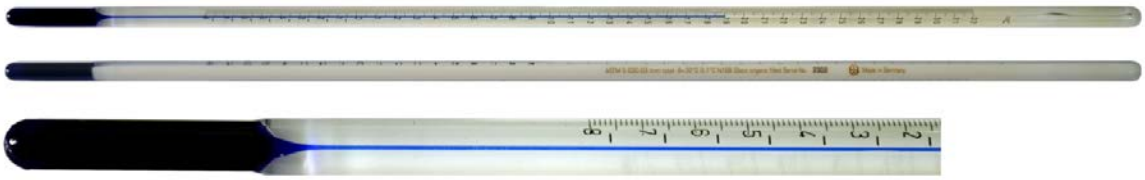
Pocket Slide-Rule Sling Psychrometer

- *Sling-Type Psychrometer for Relative Humidity Measurement*
- *Compact One-Piece, High Impact Plastic Construction*
- *Scale Range on One Side for Easier, and More Accurate Results*
- *Slide-Rule Calculator Gives Direct Readings without Reference to Outside Tables*
- *One Piece Wick and Water Well Assembly for Easy replacement*
- *Red Spirit or Mercury Filled*
- *Available in Either Celsius or Fahrenheit*
- *Replacement Thermometers Supplied in Matched Pairs*
- *Embossed White Markings on Black Background for Excellent Legibility*
- *Dimensions: 8 .25"L x 1 .25" W x 0.625"H*

CATALOG NO.	DESCRIPTION
BPS100FS	Sling Psychrometer w/ Spirit-Filled Thermometers, 0° to 120°F, Slide- Rule Calculator
BPS100CS	Sling Psychrometer w/ Spirit-Filled Thermometers, -5° to 50°C, Slide- Rule Calculator
BPS100F	Sling Psychrometer w/ Mercury-Filled Thermometers, 0° to 120°F, Slide-Rule Calculator
BPS100C	Sling Psychrometer w/ Mercury-Filled Thermometers, -5° to 50°C, Slide- Rule Calculator
BPS108FS	Replacement Tube, Spirit-Filled, 0° to 120°F
BPS108CS	Replacement Tube, Spirit-Filled, -5° to 50°C
BPS120	Replacement Wicks

ASTM - Blue Spirit Thermometers (Non Mercury)

ERTCO, the foremost manufacturer of Precision Thermometers and Hydrometers since 1942 has lead the industry in filling the need for accurately measuring temperature in the laboratory.
Over the years ERTCO has developed and introduced many new instruments that are currently being used in the Biomedical, Pharmaceutical and Industrial Laboratories throughout the world.



ASTM APPROVED - Blue Spirit Thermometers

ASTM PRECISIONS

CATALOG No.	ASTM No	Name	Range	Divisions	Immersion	Length
ACC062CBLS	0S62C	PRECISION	-38 to +2°C	0.1°C	TOTAL	400mm
ACC062FBLS	0S62F	PRECISION	-36 to +35°F	0.2°F	TOTAL	400mm
ACC063CBLS	0S63C	PRECISION	-8 to +32°C	0.1°C	TOTAL	400mm
ACC063FBLS	0S63F	PRECISION	+18 to 89°F	0.2°F	TOTAL	400mm
ACC064CBLS	0S64C	PRECISION	+25 to 55°C	0.1°C	TOTAL	400mm
ACC064FBLS	0S64F	PRECISION	+77 to 131°F	0.2°F	TOTAL	400mm
ACC065CBLS	0S65C	PRECISION	+50 to 80°C	0.1°C	TOTAL	400mm
ACC065FBLS	0S65F	PRECISION	+122 to 176°F	0.2°F	TOTAL	400mm
ACC066CBLS	0S66C	PRECISION	+75 to 105°C	0.1°C	TOTAL	400mm
ACC066FBLS	0S66F	PRECISION	+167 to 221°F	0.2°F	TOTAL	400mm
ACC067CBLS	0S67C	PRECISION	+95 to 155°C	0.2°C	TOTAL	400mm
ACC067FBLS	0S67F	PRECISION	+206 to 311°F	0.5°F	TOTAL	400mm

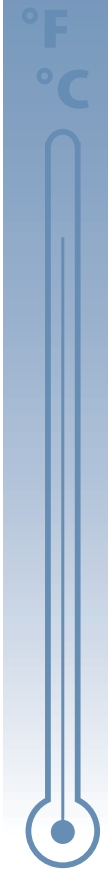
ASTM APPLICATIONS

CATALOG No.	ASTM No	Name	Range	Divisions	Immersion	Length
ACC005CBLS	S5C	Cloud & Pour	-38 to 50°C	1.0°C	108mm	235mm
ACC005FBLS	S5F	Cloud & Pour	-36 to +120°F	2.0°F	108mm	235mm
ACC012CBLS	S12C	Gravity	-20 to 102°C	0.2°C	TOTAL	425mm
ACC012FBLS	S12F	Gravity	-5 to 215°F	0.5°F	TOTAL	425mm
ACC015CBLS	S15C	Low Softening Point	-2 to 80°C	0.2°C	TOTAL	400mm
ACC015FBLS	S15F	Low Softening Point	+30 to 180°F	0.5°F	TOTAL	400mm
ACC018CBLS	S18C	Saybolt Viscosity	+34 to 42°C	0.1°C	TOTAL	280mm
ACC018FBLS	S18F	Saybolt Viscosity	+94 to 108°F	0.2°F	TOTAL	280mm
ACC022CBLS	S22C	Saybolt Viscosity	+98 to 103°C	0.1°C	TOTAL	280mm
ACC022FBLS	S22F	Saybolt Viscosity	+204 to 218°F	0.2°F	TOTAL	280mm
ACC056CBLS	S56C	Bomb Calorimeter	+19 to 35°C	0.02°C	TOTAL	600mm
ACC056FBLS	S56F	Bomb Calorimeter	+66 to 95°F	0.05°F	TOTAL	600mm
ACC058CBLS	S58C	Tank	-34 to +49°C	0.5°C	TOTAL	305mm
ACC058FBLS	S58F	Tank	-30 to +120°F	1.0°F	TOTAL	305mm
ACC059CS	S59C	Tank	-18 to +82°C	0.5°C	TOTAL	305mm
ACC059FS	S59F	Tank	0 to 180°F	1.0°F	TOTAL	305mm
ACC091CBLS	S91C	Solidification	+20 to 50°C	0.1°C	76mm	375mm
ACC116CBLS	S116C	Bomb Calorimeter	+18.9 to 25.1°C	0.01°C	TOTAL	614mm
ACC117CBLS	S117C	Bomb Calorimeter	+23.9 to 30.1°C	0.01°C	TOTAL	614mm
ACC120CBLS	S120C	Kinimatic Viscosity	+38.6 to 41.4°C	0.05°C	TOTAL	310mm
ACC130CBLS	S130C	Tank	-7 to +105°C	0.5°C	TOTAL	305mm
ACC130FBLS	S130F	Tank	+20 to 220°F	1.0°F	TOTAL	305mm

ASTM LIKE - Blue Spirit Thermometers (Non Mercury)

ASTM LIKE - Blue Spirit Thermometers

CATALOG NO.	ASTM No	Name	Range	Divisions	Immersion	Length
ACC001CBLS	S1C	Partial Immersion	-20 to 150°C	1.0°C	76mm	327mm
ACC001FBLS	S1F	Partial Immersion	0 to 302°F	2.0°F	76mm	327mm
ACC005CBLS	S5C	Cloud & Pour	-38 to 50°C	1.0°C	108mm	235mm
ACC005FBLS	S5F	Cloud & Pour	-36 to 120°F	2.0°F	108mm	235mm
ACC009CBLS	S9C	Low Pensky-Martens	-5 to 110°C	0.5°C	57mm	295mm
ACC009FBLS	S9F	Low Pensky-Martens	20 to 230°F	1.0°F	57mm	295mm
ACC013CBLS	S13C	Loss On Heat	*155 to 170°C	0.5°C	TOTAL	169mm
ACC014CBLS	S14C	Wax Melting Point	38 to 82°C	0.1°C	79mm	380mm
ACC014FBLS	S14F	Wax Melting Point	100 to 180°F	0.2°F	79mm	380mm
ACC015CBLS	S15C	Low Softening Point	-2 to 80°C	0.2°C	TOTAL	400mm
ACC015FBLS	S15F	Low Softening Point	30 to 180°F	0.5°F	TOTAL	400mm
ACC016CBLS	S16C	High Softening Point	30 to 200°C	1.0°C	TOTAL	400mm
ACC016FBLS	S16F	High Softening Point	85 to 392°F	1.0°F	TOTAL	400mm
ACC017CBLS	S17C	Saybolt Viscosity	19 to 27°C	0.1°C	TOTAL	280mm
ACC017FBLS	S17F	Saybolt Viscosity	66 to 80°F	0.2°F	TOTAL	280mm
ACC019CBLS	S19C	Saybolt Viscosity	49 to 57°C	0.1°C	TOTAL	280mm
ACC019FBLS	S19F	Saybolt Viscosity	120 to to 134°F	0.2°F	TOTAL	280mm
ACC020CBLS	S20C	Saybolt Viscosity	57 to 65°C	0.1°C	TOTAL	280mm
ACC020FBLS	S20F	Saybolt Viscosity	134 to 148°F	0.2°F	TOTAL	280mm
ACC021CBLS	S21C	Saybolt Viscosity	79 to 87°C	0.1°C	TOTAL	280mm
ACC021FBLS	S21F	Saybolt Viscosity	174 to 188	0.2°F	TOTAL	280mm
ACC023BLS	S23C	Engler Viscosity	*18 to 28°C	0.2°C	90mm	212mm
ACC024CBLS	S24C	Engler Viscosity	*39 to 54°C	0.2°C	90mm	237mm
ACC025CBLS	S25C	Engler Viscosity	*95 to 105°C	0.2°C	90mm	212mm
ACC026CBLS	S26C	Stability / Nitrocellulose	*130 to 140°C	0.1°C	TOTAL	463mm
ACC027CBLS	S27C	Turpintine Distillation	*147 to 182°C	0.5°C	76mm	301mm
ACC028CBLS	S28C	Kinematic Viscosity	36.6 to 39.4°C	0.05°C	TOTAL	305mm
ACC028FBLS	S28°F	Kinematic Viscosity	97.5 to 102.5°F	0.1°F	TOTAL	305mm
ACC029CBLS	S29C	Kinematic Viscosity	*52.6 to 55.4°C	0.05°C	TOTAL	305mm
ACC029FBLS	S29°F	Kinematic Viscosity	*127.5 to 132.5°F	0.1°F	TOTAL	305mm
ACC030FBLS	S30°F	Kinematic Viscosity	*207.5 to 212.5°F	0.1°F	TOTAL	305mm
ACC033CBLS	S33C	Low Aniline Point	-38 to 42°C	0.2°C	50mm	425mm
ACC033FBLS	S33F	Low Aniline Point	-36.5 to 107.5°F	0.5°F	50mm	425mm
ACC034CBLS	S34C	Medium Aniline Point	25 to 105°C	0.2°C	50mm	425mm
ACC034FBLS	S34F	Medium Aniline Point	77 to 221°F	0.5°F	50mm	425mm
ACC035CBLS	S35C	Aniline Point	90 to 170°C	0.2°C	50mm	419mm
ACC035FBLS	S35°F	Aniline Point	194 to 338°F	0.5°F	50mm	419mm
ACC036CBLS	S36C	Titer Test	-2 to 68°C	0.2°C	45mm	410mm
ACC037CBLS	S37C	Solvents Distillation	-2 to 52°C	0.2°C	100mm	400mm
ACC038CBLS	S38C	Solvents Distillation	24 to 78°C	0.2°C	100mm	400mm
ACC039CBLS	S39C	Solvents Distillation	48 to 102°C	0.2°C	100mm	400mm
ACC040CBLS	S40C	Solvents Distillation	72 to 126°C	0.2°C	100mm	400mm
ACC041CBLS	S41C	Solvent Distillation	98 to 152°C	0.2°C	100mm	395mm
ACC042CBLS	S42C	Solvent Distillation	95 to 255°C	0.5°C	100mm	395mm
ACC044CBLS	S44C	Kinematic Viscosity	18.6 to 21.4°C	0.05°C	TOTAL	420mm
ACC044FBLS	S44°F	Kinematic Viscosity	66.5 to 71.5°F	0.1°F	TOTAL	420mm



ASTM LIKE - Blue Spirit Thermometers... continued

CATALOG NO.	ASTM No	Name	Range	Divisions	Immersion	Length
ACC045CBLS	S45C	Kinematic Viscosity	23.6 to 26.4°C	0.05°C	TOTAL	305mm
ACC045FBLS	S45°F	Kinematic Viscosity	74.5 to 79.5°F	0.1°F	TOTAL	305mm
ACC046CBLS	S46C	Kinematic Viscosity	48.6 to 51.4°C	0.05°C	TOTAL	305mm
ACC046FBLS	S46°F	Kinematic Viscosity	119.5 to 124.5°F	0.1°F	TOTAL	305mm
ACC047CBLS	S47C	Kinematic Viscosity	58.6 to 61.4°C	0.05°C	TOTAL	305mm
ACC047FBLS	S47°F	Kinematic Viscosity	137.5 to 142.5°F	0.1°F	TOTAL	305mm
ACC048CBLS	S48C	Kinematic Viscosity	80.6 to 83.4°C	0.05°C	TOTAL	305mm
ACC048FBLS	S48°F	Kinematic Viscosity	177.5 to 182.5°F	0.1°F	TOTAL	305mm
ACC049CBLS	S49C	Stormer Viscosity	20 to 70°C	0.2°C	65mm	310mm
ACC050FBLS	S50°F	Gas Calorimeter Inlet	54 to 101°F	0.1°F	TOTAL	468mm
ACC051FBLS	S51°F	Gas Calorimeter Outlet	69 to 116°F	0.1°F	TOTAL	468mm
ACC052CBLS	S52C	Butadiene Boiling Point Range	-10 to 5°C	0.1°C	TOTAL	167mm
ACC054CBLS	S54C	Congealing Point	20 to 100.6°C	0.2°C	TOTAL	315mm
ACC054FBLS	S54F	Congealing Point	68 to 213°F	0.5°F	TOTAL	315mm
ACC057CBLS	S57C	Tag Closed Tester Low Range	-20 to 50°C	0.5°C	57mm	292mm
ACC057FBLS	S57F	Tag Closed Tester Low Range	-4 to 122°F	1.0°F	57mm	292mm
ACC061CBLS	S61C	Petrolatum Melting Point	32 to 127°C	0.2°C	79mm	385mm
ACC061FBLS	S61F	Petrolatum Melting Point	90 to 260°F	0.5°F	79mm	385mm
ACC071CBLS	S71C	Oil In Wax	-37 to 21°C	0.5°C	76mm	355mm
ACC071FBLS	S71°F	Oil In Wax	-35 to 70°F	1.0°F	76mm	355mm
ACC072CBLS	S72C	Kinematic Viscosity	-19.4 to -16.6°C	0.05°C	TOTAL	305mm
ACC072FBLS	S72°F	Kinematic Viscosity	-2.5 to 2.5°F	0.1°F	TOTAL	305mm
ACC073CBLS	S73C	Kinematic Viscosity	-41.4 to 38.6	0.05°C	TOTAL	305mm
ACC073FBLS	S73°F	Kinematic Viscosity	-42.5 to 37.5	0.1°F	TOTAL	305mm
ACC075FBLS	S75°F	Anti Freeze °Freezing Point	-35 to 35°F	0.5°F	100mm	408mm
ACC077FBLS	S77°F	Saybolt Viscosity	245 to 265°F	0.5°F	TOTAL	275mm
ACC078FBLS	S78°F	Saybolt Viscosity	295 to 315°F	0.5°F	TOTAL	275mm
ACC079FBLS	S79°F	Saybolt Viscosity	345 to 365°F	0.5°F	TOTAL	275mm
ACC082CBLS	S82C	Fuel Rating, Engine	-15 to 105°C	1.0°C	30mm	165mm
ACC082FBLS	S82F	Fuel Rating, Engine	0 to 220°F	2.0°F	30mm	165mm
ACC083CBLS	S83C	Fuel Rating, Air	15 to 70°C	1.0°C	40mm	174mm
ACC083FBLS	S83F	Fuel Rating, Air	60 to 160°F	1.0°F	40mm	174mm
ACC084CBLS	S84C	Fuel Rating, Orifice Tank	25 to 80°C	1.0°C	249mm	387mm
ACC084FBLS	S84F	Fuel Rating, Orifice Tank	75 to 175°F	1.0°F	249mm	387mm
ACC085CBLS	S85C	Fuel Rating, Surge	40 to 150°C	1.0°C	181mm	314mm
ACC085FBLS	S85F	Fuel Rating, Surge	100 to 300°F	2.0°F	181mm	314mm
ACC086CBLS	S86C	Fuel Rating, Mix	95 to 175°C	1.0°C	35mm	170mm
ACC086FBLS	S86F	Fuel Rating, Mix	200 to 350°F	2.0°F	35mm	170mm
ACC088CBLS	S88C	Vegetable Oil Flash	10 to 200°C	1.0°C	57mm	292mm
ACC088FBLS	S88F	Vegetable Oil Flash	50 to 392°F	2.0°F	57mm	292mm
ACC089CBLS	S89C	Solidification Point	-20 to 10°C	0.1°C	76mm	375mm
ACC090CBLS	S90C	Solidification Point	0 to 30°C	0.1°C	76mm	375mm
ACC092CBLS	S92C	Solidi Fication Point	40 to 70°C	0.1°C	76mm	370mm
ACC093CBLS	S93C	Solidi Fication Point	60 to 90°C	0.1°C	76mm	370mm
ACC094CBLS	S94C	Solidi Fication Point	80 to 110°C	0.1°C	76mm	370mm
ACC095CBLS	S95C	Solidi Fication Point	100 to 130°C	0.1°C	76mm	370mm

ASTM LIKE - Blue Spirit Thermometers... continued

CATALOG NO.	ASTM No	Name	Range	Divisions	Immersion	Length
ACC096CBLS	S96C	Solidi Fication Point	120 to 150°C	0.1°C	76mm	370mm
ACC097CBLS	S97C	Tank	-18 to 49°C	0.5°C	TOTAL	305mm
ACC097FBLS	S97F	Tank	0 to 120°F	0.5°F	TOTAL	305mm
ACC098CBLS	S98C	Tank	16 to 82°C	0.5°C	TOTAL	305mm
ACC098FBLS	S98F	Tank	60 to 180°F	1.0°F	TOTAL	305mm
ACC099CBLS	S99C	Weathering Test	-50 to 5°C	0.2°C	35mm	305mm
ACC099FBLS	S99F	Weathering Test	-58 to 41°F	0.5°F	35mm	305mm
ACC102CBLS	S102C	Solvent Distillation	123 to 177°C	0.2°C	100mm	395mm
ACC103CBLS	S103C	Solvent Distillation	148 to 202°C	0.2°C	100mm	395mm
ACC108FBLS	S108°F	Saybolt Viscosity	270 to 290°F	0.5	TOTAL	275mm
ACC109FBLS	S109°F	Saybolt Viscosity	320 to 340°F	0.5°C	TOTAL	275mm
ACC110CBLS	S110C	Kinematic Viscosity	133.6 to 136.4°C	0.05°C	TOTAL	305mm
ACC110FBLS	S110°F	Kinematic Viscosity	272.5 to 277.5°F	0.1°F	TOTAL	305mm
ACC112CBLS	S112C	Benzene Freezing Point	4 to 6°C	0.02°C	TOTAL	215mm
ACC113CBLS	S113C	Bitumen Softening Point Wide Range	-1 to 175°C	0.5°C	TOTAL	410mm
ACC113FBLS	S113F	Bitumen Softening Point Wide Range	30 to 350°F	1.0°F	TOTAL	410mm
ACC118CBLS	S118C	Kinematic Viscosity	28.6 to 31.4°C	0.05°C	TOTAL	310mm
ACC119CBLS	S119C	Coolant Freezing Point	-38.3 to -30.0°C	0.05°C	100mm	425mm
ACC120CBLS	S120C	Kinematic Viscosity	38.6 to 41.4°C	0.05°C	TOTAL	310mm
ACC121CBLS	S121C	Kinematic Viscosity	98.6 to 101.4°C	0.05°C	TOTAL	310mm
ACC122CBLS	S122C	Brook Field Viscosity	-45 to -35°C	0.1°C	TOTAL	305mm
ACC123CBLS	S123C	Brook Field Viscosity	-35 to -25°C	0.1°C	TOTAL	305mm
ACC124CBLS	S124C	Brook Field Viscosity	-25 to -15°C	0.1°C	TOTAL	305mm
ACC125CBLS	S125C	Brook Field Viscosity	-15 to -5°C	0.1°C	TOTAL	305mm
ACC126CBLS	S126C	Kinematic Viscosity	-27.4 to -24.6°C	0.05°C	TOTAL	310mm
ACC126FBLS	S126°F	Kinematic Viscosity	-17.5 to -12.5°F	0.1°F	TOTAL	310mm
ACC127CBLS	S127C	Kinematic Viscosity	-21.4 to -18.6°C	0.05°C	TOTAL	310mm
ACC128CBLS	S128C	Kinematic Viscosity	-1.4 to 1.4°C	0.05°C	TOTAL	310mm
ACC128FBLS	S128°F	Kinematic Viscosity	29.5 to 34.5°F	0.1°F	TOTAL	310mm
ACC129CBLS	S129C	Kinematic Viscosity	91.6 to 94.4°F	0.05°C	TOTAL	310mm
ACC129FBLS	S129°F	Kinematic Viscosity	197.5 to 202.5°F	0.1°F	TOTAL	310mm
ACC132CBLS	S132C	Kinematic Viscosity	148.6 to 151.4°C	0.05°C	TOTAL	310mm
ACC133CBLS	S133C	Precision	-38 to 2°C	0.1°C	76mm	384mm
ACC135CBLS	S135C	Fuel Rating Air High	39 to 93°C	1.0°C	40mm	168mm
ACC135FBLS	S135°F	Fuel Rating Air High	100 to 200°F	1.0°F	40mm	168mm
ACC136CBLS	S136C	Aviation Fuel Density	-20 to 60°C	0.2°C	TOTAL	285mm
ACC136FBLS	S136°F	Aviation Fuel Density	-5 to 140°F	0.5°F	TOTAL	285mm
ACC137CBLS	S137C	Oxidation Cell Test	80 to 100°C	0.1°C	76mm	250mm

ASTM - Precision Factory Certified Thermometers

Thermco's ASTM - Precision Factory Certified Thermometers are calibrated against NIST standards and comes with a calibration document showing corrections to the nearest tenth of a scale division traceable to NIST

These thermometers meet with all prescribed ASTM requirements.

Each incorporates the ice point when not on scale(0 or 32°F) as a reference point enabling the user to validate and update the calibration document to insure accurate temperature measurements over the life of the thermometers.

FEATURES:

- ***Certified at 5 Temperatures with Correction Factors***
- *Each Thermometer is Calibrated Against NIST Standards*
- *Traceable Calibration Document Included*
- *BLUE SPIRIT Range (-38 to 155°C) or (-36 to 311°F)*
- *MERCURY Range (-38 to 405°C) or (-36 to 761°F)*

Note: case not included

BLUE SPIRIT THERMOMETERS

CELSIUS SCALE - TOTAL IMMERSION - 400mm Length

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062CBLSFC	S62C	-38 to +2°C	0.1°C	-37°, -30°, -20°, -10°, 0°C
ACC063CBLSFC	S63C	-8 to +32°C	0.1°C	-7°, 0°, 10°, 20°, 30°C
ACC064CBLSFC	S64C	+25 to 55°C	0.1°C	0°, 25°, 35°, 45°, 55°C
ACC065CBLSFC	S65C	+50 to 80°C	0.1°C	0°, 50°, 60°, 70°, 80°C
ACC066CBLSFC	S66C	+75 to 105°C	0.1°C	0°, 75°, 85°, 95°, 105°C
ACC067CBLSFC	S67C	+95 to 155°C	0.2°C	0°, 100°, 110°, 130°, 150°C

FAHRENHEIT SCALE - TOTAL IMMERSION - 400mm Length

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062FBLSFC	S62F	-36 to +35°F	0.2°F	-35°, -15°, 0°, 15°, 32°F
ACC063FBLSFC	S63F	+18 to 89°F	0.2°F	20°, 32°, 50°, 70°, 88°F
ACC064FBLSFC	S64F	+77 to 131°F	0.2°F	32°, 80°, 95°, 115°, 130°F
ACC065FBLSFC	S65F	+122 to 176°F	0.2°F	32°, 125°, 145°, 160°, 175°F
ACC066FBLSFC	S66F	+167 to 221°F	0.2°F	32°, 168°, 185°, 200°, 220°F
ACC067FBLSFC	S67F	+206 to 311°F	0.5°F	32°, 205°, 240°, 275°, 310°F

ASTM CERTIFIED - Blue Spirit Thermometers

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC001CBLSFC	S1C	-20 to 150°C	1.0°C	-20, 0, 50, 100, 150°C
ACC001FBLSFC	S1F	0 to 302°F	2.0°F	0, 32, 122, 212, 302°F
ACC005CBLSFC	S5C	-38 to 50°C	1.0°C	-35, 0, 50°C
ACC005FBLSFC	S5F	-36 to 120°F	2.0°F	-30, 32, 120°F
ACC009CSFC	S9C	-5 to 110°C	0.5°C	0, 35, 70, 105°C
ACC009FSFC	S9F	20 to 230°F	1.0°F	W32, 100, 160, 220°F
ACC012CBLSFC	S12C	-20 to 102°C	0.2°C	-20, -10, 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100°C
ACC012FBLSFC	S12F	-5 to 215°F	0.5°F	-5, 15, 32, 60, 85, 110, 135, 160, 185, 210°F
ACC013CBLSFC	S13C	155 to 170°C	0.5	155, 163, 170°C
ACC014CBLSFC	S14C	38 to 82°C	0.1°C	40, 50, 60, 70, 80°C
ACC014FBLSFC	S14F	100 to 180°F	0.2°F	100, 120, 140, 160, 180°F

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ASTM CERTIFIED - Blue Spirit Thermometers

ASTM CERTIFIED - Blue Spirit Thermometers... continued

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC015CBLSFC	S15C	-2 to 80°C	0.2°C	0, 20, 40, 60, 80°C
ACC015FBLSFC	S15F	30 to 180°F	0.5°F	32, 70, 100, 140, 180°F
ACC016CBLSFC	S16C	30 to 200°C	1.0°C	30, 60, 90, 120, 150, 180, 200°C
ACC016FBLSFC	S16F	85 to 392°F	1.0°F	90, 140, 190, 240, 290, 340, 390°F
ACC017CBLSXFC	S17C	19 to 27°C	0.1°C	21, 25°C
ACC017FBLSXFC	S17F	66 to 80°F	0.2°F	70, 77°F
ACC018CBLSFC	S18C	34 to 42°C	0.1°C	38, 41°C
ACC018FBLSFC	S18F	94 to 108°F	0.2°F	100, 107°F
ACC019CBLSFC	S19C	49 to 57°C	0.1°C	50, 54°C
ACC019FBLSFC	S19F	120 to 134°F	0.2°F	122, 130°F
ACC020CBLSFC	S20C	57 to 65°C	0.1°C	60, 64°C
ACC020FBLSFC	S20F	134 to 148°F	0.2°F	140, 147°F
ACC021CBLSFC	S21C	79 to 87°C	0.1°C	82, 86°C
ACC021FBLSFC	S21F	174 to 188	0.2°F	180, 187°F
ACC022CBLSFC	S22C	95 to 103°C	0.1°C	99, 102°C
ACC022FBLSFC	S22F	204 to 218°F	0.5°F	210, 212°F
ACC023CBLSFC	S23C	*18 to 28°C	0.2°C	20, 25°C
ACC024CBLSFC	S24C	*39 to 54°C	0.2°C	40, 50°C
ACC025CBLSFC	S25C	*95 to 105°C	0.2°C	95, 100°C
ACC026CBLSFC	S26C	*130 to 140°C	0.1°C	130, 135, 140°C
ACC027CBLSFC	S27C	*147 to 182°C	0.5°C	155, 165, 175°C
ACC028CBLSFC	S28C	36.6 to 39.4°C	0.05°C	0, 37.8, 39°C
ACC028FBLSFC	S28F	97.5 to 102.5°F	0.1°F	32, 100, 102°F
ACC029CBLSFC	S29C	*52.6 to 55.4°C	0.05°C	0, 54.4, 55°C
ACC029FBLSFC	S29F	*127.5 to 132.5°F	0.1°F	32, 130, 132°F
ACC030FBLSFC	S30F	*207.5 to 212.5°F	0.1°F	32, 210, 212°F
ACC033CBLSFC	S33C	-38 to 42°C	0.2°C	-35, -20, 0, 20, 40°C
ACC033FBLSFC	S33F	-36.5 to 107.5°F	0.5°F	-31, -4, 32, 68, 104°F
ACC034CBLSFC	S34C	25 to 105°C	0.2°C	25, 45, 65, 85, 100°C
ACC034FBLSFC	S34F	77 to 221°F	0.5°F	77, 113, 149, 185, 212°F
ACC035CBLSFC	S35C	90 to 170°C	0.2°C	100, 120, 140, 160, 170°C
ACC035FBLSFC	S35F	194 to 338°F	0.5°F	212, 250, 285, 320, 338°F
ACC036CBLSFC	S36C	-2 to 68°C	0.2°C	0, 15, 30, 45, 65°C
ACC037CBLSFC	S37C	-2 to 52°C	0.2°C	0, 15, 30, 50°C
ACC038CBLSFC	S38C	24 to 78°C	0.2°C	25, 40, 55, 75°F
ACC039CBLSFC	S39C	48 to 102°C	0.2°C	50, 65, 80, 100°C
ACC040CBLSFC	S40C	72 to 126°C	0.2°C	75, 90, 105, 125°C
ACC041CBLSFC	S41C	98 to 152°C	0.2°C	100, 115, 130, 150°C
ACC042CBLSFC	S42C	95 to 255°C	0.5°C	100, 150, 200, 250°C
ACC044CBLSFC	S44C	18.6 to 21.4°C	0.05°C	0, 20, 21°C
ACC044FBLSFC	S44F	66.5 to 71.5°F	0.1°F	32, 68, 70°F
ACC045CBLSFC	S45C	23.6 to 26.4°C	0.05°C	0, 25, 26°C
ACC045FBLSFC	S45F	74.5 to 79.5°F	0.1°F	32, 77, 79°F
ACC046CBLSFC	S46C	48.6 to 51.4°C	0.05°C	0, 50, 51°C
ACC046FBLSFC	S46F	119.5 to 124.5°F	0.1°F	32, 122, 124°F
ACC047CBLSFC	S47C	58.6 to 61.4°C	0.05°C	0, 60, 61°C

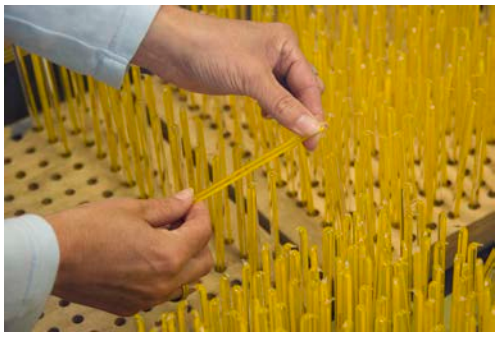
ASTM CERTIFIED - Blue Spirit Thermometers... continued

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC047FBLSFC	S47F	137.5 to 142.5°F	0.1°F	32, 140, 142°F
ACC048CBLSFC	S48C	80.6 to 83.4°C	0.05°C	0, 82.2, 83°C
ACC048FBLSFC	S48F	177.5 to 182.5°F	0.1°F	32, 180, 182°F
ACC049CBLSFC	S49C	20 to 70°C	0.2°C	20, 35, 50, 70°C
ACC050FBLSFC	S50F	54 to 101°F	0.1°F	55, 60, 65, 70, 75, 80°F
ACC051FBLSFC	S51F	69 to 116°F	0.1°F	70, 75, 80, 85, 90, 95°F
ACC052CBLSFC	S52C	-10 to 5°C	0.1°C	-10, 0, 5°C
ACC054CBLSFC	S54C	20 to 100.6°C	0.2°C	20, 50, 75, 100°C
ACC054FBLSFC	S54F	68 to 213°F	0.5°F	70, 120, 170, 210°F
ACC056CBLSFC	S56C	19 to 35°C	0.02°C	19, 21, 23, 25, 27, 29, 31, 33, 35°C
ACC056FBLSFC	S56F	66 to 95°F	0.05°F	66, 70, 74, 78, 82, 88, 92, 95°F
ACC057CBLSFC	S57C	-20 to 50°C	0.5°C	-20, 0, 25, 50°C
ACC057FBLSFC	S57F	-4 to 122°F	1.0°F	-3, 32, 77, 122°F
ACC058CBLSFC	S58C	-34 to 49°C	0.5°C	-30, 0, 25, 45°C
ACC058FBLSFC	S58F	-30 to 120°F	1.0°F	-20, 32, 80, 120°F
ACC059CSFC	S59C	-18 to 82°C	0.5°C	0, 25, 55, 80°C
ACC059FSFC	S59F	0 to 180°F	1.0°F	32, 80, 130, 180°F
ACC061CBLSFC	S61C	32 to 127°C	0.2°C	40, 60, 80, 100, 120°C
ACC061FBLSFC	S61F	90 to 260°F	0.5°F	100, 150, 200, 250°F
ACC071CBLSFC	S71C	-37 to 21°C	0.5°C	-35, -18, 0, 20°C
ACC071FBLSFC	S71F	-35 to 70°F	1.0°F	-30, 0, 32, 70°F
ACC072CBLSFC	S72C	-19.4 to -16.6°C	0.05°C	-19, 17.8, 0°C
ACC072FBLSFC	S72F	-2.5 to 2.5°F	0.1°F	-2, 0, 32°F
ACC073CBLS	S73C	-41.4 to 38.6	0.05°C	-41, -40, 0°C
ACC073FBLS	S73F	-42.5 to 37.5	0.1°F	-42, -40, 32°F
ACC075FBLSFC	S75F	-35 to 35°F	0.5°F	-35, 0, 32°F
ACC077FBLSFC	S77F	245 to 265°F	0.5°F	250, 260°F
ACC078FBLSFC	S78F	295 to 315°F	0.5°F	300, 310°F
ACC079FBLSFC	S79F	345 to 365°F	0.5°F	350, 360°F
ACC082CBLSFC	S82C	-15 to 105°C	1.0°C	0, 50, 100°C
ACC082FBLSFC	S82F	0 to 220°F	2.0°F	32, 100, 200°F
ACC083CBLSFC	S83C	15 to 70°C	1.0°C	25, 70°C
ACC083FBLSFC	S83F	60 to 160°F	1.0°F	85, 135°F
ACC084CBLSFC	S84C	25 to 80°C	1.0°C	30, 80°C
ACC084FBLSFC	S84F	75 to 175°F	1.0°F	100, 150°F
ACC085CBLSFC	S85C	40 to 150°C	1.0°C	50, 150°C
ACC085FBLSFC	S85F	100 to 300°F	2.0°F	150, 250°F
ACC086CBLSFC	S86C	95 to 175°C	1.0°C	100, 175°C
ACC086FBLSFC	S86F	200 to 350°F	2.0°F	225, 325°F
ACC088CBLSFC	S88C	10 to 200°C	1.0°C	40, 100, 150, 200°C
ACC088FBLSFC	S88F	50 to 392°F	2.0°F	110, 212, 300, 392°F
ACC089CBLSFC	S89C	-20 to 10°C	0.1°C	-20, -10, 0, 10°C
ACC090CBLSFC	S90C	0 to 30°C	0.1°C	0, 10, 20, 30°C
ACC091CBLSFC	S91C	20 to 50°C	0.1°C	20, 30, 40, 50°C
ACC092CBLSFC	S92C	40 to 70°C	0.1°C	40, 50, 60, 70°C
ACC093CBLSFC	S93C	60 to 90°C	0.1°C	60, 70, 80, 90°C

ASTM CERTIFIED - Blue Spirit Thermometers... continued

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC094CBLSFC	S94C	80 to 110°C	0.1°C	80, 90, 100, 110°C
ACC095CBLSFC	S95C	100 to 130°C	0.1°C	100, 110, 120, 130°C
ACC096CBLSFC	S96C	120 to 150°C	0.1°C	120, 130, 140, 150°C
ACC097CBLSFC	S97C	-18 to 49°C	0.5°C	-15, 0, 20, 45°C
ACC097FBLSFC	S97F	0 to 120°F	0.5°F	0, 32, 70, 110°F
ACC098CBLSFC	S98C	16 to 82°C	0.5°C	20, 40, 60, 80°C
ACC098FBLSFC	S98F	60 to 180°F	1.0°F	60, 100, 140, 180°F
ACC099CBLSFC	S99C	-50 to 5°C	0.2°C	*-46, -32, -18, 0°C
ACC099FBLSFC	S99F	-58 to 41°F	0.5°F	*-50, -25, 0, 32°F
ACC102CBLSFC	S102C	123 to 177°C	0.2°C	125, 140, 155, 175°C
ACC103CBLSFC	S103C	148 to 202°C	0.2°C	150, 165, 180, 200°C
ACC108FBLSFC	S108F	270 to 290°F	0.5	275,285°F
ACC109FBLSFC	S109F	320 to 340°F	0.5°C	325, 335°C
ACC110CBLSFC	S110C	133.6 to 136.4°C	0.05°C	0, 135, 138°C
ACC110FBLSFC	S110F	272.5 to 277.5°F	0.1°F	32, 275, 277°F
ACC112CBLSFC	S112C	4 to 6°C	0.05°C	0, 4, 5, 6°C
ACC113CBLSFC	S113C	-1 to 175°C	0.5°C	0, 50, 100, 150, 175°C
ACC113FBLSFC	S113F	30 to 350°F	1.0°F	32, 122, 212, 302, 347°F
ACC116CBLSFC	S116C	18.9 to 25.1°C	0.01°C	19, 20, 21, 22, 23, 24, 25°C
ACC117CBLSFC	S117C	23.9 to 30.1°C	0.01°C	24, 25, 26, 27, 28, 29, 30°C
ACC118CBLSFC	S118C	28.6 to 31.4°C	0.05°C	0, 30, 31°C
ACC119CBLSFC	S119C	-38.3 to -30.0°C	0.05°C	-38, -30, 0°C
ACC120CBLSFC	S120C	38.6 to 41.4	0.05	0, 40, 41°C
ACC121CBLSFC	S121C	98.6 to 101.4°C	0.05°C	0, 100, 101°C
ACC122CBLSFC	S122C	-45 to -35°C	0.1°C	-45, -40, -35°C
ACC123CBLSFC	S123C	-35 to -25°C	0.1°C	-35, -30, -25°C
ACC124CBLSFC	S124C	-25 to -15°C	0.1°C	-25, -20, -15°C
ACC125CBLSFC	S125C	-15 to -5°C	0.1°C	-15, -10, -5°C
ACC126CBLSFC	S126C	-27.4 to -24.6°C	0.05°C	-27, -26.1, 0°C
ACC126FBLSFC	S126F	-17.5 to -12.5°F	0.1°F	-17, -15, 32°F
ACC127CBLSFC	S127C	-21.4 to -18.6°C	0.05°C	-21, -20, 0°C
ACC128CBLSFC	S128C	-1.4 to 1.4°C	0.05°C	0, 1°C
ACC128FBLSFC	S128F	29.5 to 34.5°F	0.1°F	32, 34°F
ACC129CBLSFC	S129C	91.6 to 94.4°F	0.05°C	0, 93.3, 94°C
ACC129FBLSFC	S129F	197.5 to 202.5°F	0.1°F	32, 200, 202°F
ACC130CBLSFC	S130C	-7 to 105°C	0.5°C	0, 35, 70, 105°C
ACC130FBLSFC	S130F	20 to 220°F	1.0°F	32, 100, 160, 220°F
ACC132CBLSFC	S132C	148.6 to 151.4°C	0.05°C	0, 150, 151°C
ACC133CBLSFC	S133C	-38 to 2°C	0.1°C	-24, -18, -12, -6, 0°C
ACC135CBLSFC	S135C	39 to 93°C	1.0°C	50, 90°C
ACC135FBLSFC	S135F	100 to 200°F	1.0°F	125, 195°F
ACC136CBLSFC	S136C	-20 to 60°C	0.2°C	-20, -10, 0, 10, 20, 30, 40, 50, 60°C
ACC136FBLSFC	S136F	-5 to 140°F	0.5°F	-5, 15, 32, 60, 85, 110, 135°F
ACC137CBLSFC	S137C	80 to 100°C	0.1°C	80, 90, 100°C

ASTM - Mercury Thermometers



ASTM - Mercury Thermometers listed are made in accordance with specifications of the American Society for Testing and Material. Strict manufacturing procedures and quality controls insure full compliance to ASTM E-1. These instruments are made from annealed glass and have been extensively aged for minimal scale error and stability. Many crossover to the IP standard listed alongside the ASTM number. These thermometers were designed for specific testing and can be calibrated to your specific requirements. Many are available in non-mercury configurations and meet ASTM standards for accuracy tolerance and uncertainties and can be used as a primary standard.

CATALOG No.	ASTM	IP	Name	Range	Divisions	Immersion	Length
ACC001C	1C	-	Partial Immersion	-20 to +150°C	1.0°C	76mm	327mm
ACC001F	1F	-	Partial Immersion	0 to +302°F	2.0°F	76mm	327mm
ACC002C	2C	62C	Partial Immersion	-5 to +300°C	1.0°C	76mm	395mm
ACC002F	2F	62F	Partial Immersion	+20 to +580°F	2.0°F	76mm	395mm
ACC003C	3C	73C	Partial Immersion	-5 to +400°C	1.0°C	76mm	420mm
ACC003F	3F	73F	Partial Immersion	+20 to +760°F	2.0°F	76mm	420mm
ACC004C	4C		Acid Heat	-1 to 105°C	0.5°C	152mm	381mm
ACC004F	4F		Acid Heat	30 to 220°F	1.0°C	152mm	381mm
ACC005C	5C	1C	Cloud & Pour	-38 to +50°C	1.0°C	108mm	235mm
ACC005F	5F	1F	Cloud & Pour	-36 to +120°F	2.0°F	108mm	235mm
ACC006C	6C	2C	Low Cloud & Pour (red spirit filled)	-80 to +20°C	1.0°C	76mm	235mm
ACC006F	6F	2F	Low Cloud & Pour (red spirit filled)	-112 to +70°F	2.0°F	76mm	235mm
ACC007C	7C	5C	Low Distillation	-2 to +300°C	1.0°C	TOTAL	390mm
ACC007F	7F	-	Low Distillation	+30 to +580°F	2.0°F	TOTAL	390mm
ACC008C	8C	6C	High Distillation	-2 to +400°C	1.0°C	TOTAL	390mm
ACC008F	8F	-	High Distillation	+30 to +760°F	2.0°F	TOTAL	390mm
ACC009C	9C	15C	Low Pensky-Martens	-5 to +110°C	0.5°C	57mm	295mm
ACC009F	9F	15F	Low Pensky-Martens	+20 to +230°F	1.0°F	57mm	295mm
ACC010C	10C	16C	High Pensky-Martens	+90 to +370°C	2.0°C	57mm	295mm
ACC010F	10F	16F	High Pensky-Martens	+200 to +700°F	5.0°F	57mm	295mm
ACC011C	11C	28C	Cleveland Open Flash	-6 to +400°C	2.0°C	25mm	315mm
ACC011F	11F	28F	Cleveland Open Flash	+20 to +760°F	5.0°F	25mm	315mm
ACC012C	12C	64C	Gravity	-20 to +102°C	0.2°C	TOTAL	425mm
ACC012F	12F	64F	Gravity	-5 to +215°F	0.5°F	TOTAL	425mm
ACC013C	13C	47C	Loss On Heat	+155 to +170°C	0.5°C	TOTAL	160mm
ACC014C	14C	17C	Wax Melting Point	+38 to +82°C	0.1°C	79mm	380mm
ACC014F	14F	17F	Wax Melting Point	+100 to +180°F	0.2°F	79mm	380mm
ACC015C	15C	60C	Low Softening Point	-2 to +80°C	0.2°C	TOTAL	400mm
ACC015F	15F	-	Low Softening Point	+30 to +180°F	0.5°F	TOTAL	400mm
ACC016C	16C	61C	High Softening Point	+30 to +200°C	0.5°C	TOTAL	400mm
ACC016F	16F	-	High Softening Point	+85 to +392°F	1.0°F	TOTAL	400mm
ACC017C	17C	-	Saybolt Viscosity	+19 to +27°C	0.1°C	TOTAL	280mm
ACC017F	17F	-	Saybolt Viscosity	+66 to +80°F	0.2°F	TOTAL	280mm
ACC018C	18C	23C	Reid Vapour Pressure	+34 to +42°C	0.1°C	TOTAL	280mm
ACC018F	18F	23F	Reid Vapour Pressure	+94 to +108°F	0.2°F	TOTAL	280mm
ACC019C	19C	-	Saybolt Viscosity	+49 to +57°C	0.1°C	TOTAL	280mm
ACC019F	19F	-	Sayboltviscosity	+120 to +134°F	0.2°F	TOTAL	280mm
ACC020C	20C	-	Saybolt Viscosity	+57 to +65°C	0.1°C	TOTAL	280mm
ACC020F	20F	-	Saybolt Viscosity	+134 to +148°F	0.2°F	TOTAL	280mm
ACC021C	21C	-	Saybolt Viscosity	+79 to +87°C	0.1°C	TOTAL	280mm
ACC021F	21F	-	Saybolt Viscosity	+174 to +188°F	0.2°F	TOTAL	280mm
ACC022C	22C	24C	Oxidation Stability	+95 to +103°C	0.1°C	TOTAL	280mm

CATALOG No.	ASTM	IP	Name	Range	Divisions	Immersion	Length
ACC022F	22F	24F	Oxidation Stability	+204 to +218°F	0.2°F	TOTAL	280mm
ACC023C	23C	-	Engler Viscosity	+18 to +28°C	0.2°C	90mm	217mm
ACC024C	24C	-	Engler Viscosity	+39 to +54°C	0.2°C	90mm	242mm
ACC025C	25C	-	Engler Viscosity	+95 to +105°C	0.2°C	90mm	217mm
ACC026C	26C	-	Nitrocellulose Stability	+130 to +140°C	0.1°C	TOTAL	468mm
ACC027C	27C	-	Turpentine Distillation	+147 to +182°C	0.5°C	76mm	306mm
ACC028C	28C	31C	Kinematic Viscosity	+36.6 to +39.4°C	0.05°C	TOTAL	310mm
ACC028F	28F	-	Kinematic Viscosity	+97.5 to +102.5°F	0.1°F	TOTAL	310mm
ACC029C	29C	34C	Kinematic Viscosity	+52.6 to +55.4°C	0.05°C	TOTAL	310mm
ACC029F	29F	-	Kinematic Viscosity	+127.5 to +132.5°F	0.1°F	TOTAL	310mm
ACC030F	30F	32F	Kinematic Viscosity	+207.5 to +212.5°F	0.1°F	TOTAL	310mm
ACC031F	31F	32F	Reid Vapor Pressure Air Chamber	-30 to 120°F	1.0³F	TOTAL	310mm
ACC033C	33C	20C	Low Aniline Point	-38 to +42°C	0.2°C	50mm	425mm
ACC033F	33F	-	Low Aniline Point	-36.5 to +107.5°F	0.5°F	50mm	425mm
ACC034C	34C	21C	Medium Aniline Point	+25 to +105°C	0.2°C	50mm	425mm
ACC034F	34F	-	Medium Aniline Point	+77 to +221°F	0.5°F	50mm	425mm
ACC035C	35C	59C	High Aniline Point	+90 to +170°C	0.2°C	50mm	425mm
ACC035F	35F	-	High Aniline Point	+194 to +338°F	0.5°F	50mm	425mm
ACC036C	36C	-	Titer Test	-2 to +68°C	0.2°C	45mm	410mm
ACC037C	37C	77C	Solvents Distillation	-2 to +52°C	0.2°C	100mm	400mm
ACC038C	38C	78C	Solvents Distillation	+24 to +78°C	0.2°C	100mm	400mm
ACC039C	39C	79C	Solvents Distillation	+48 to +102°C	0.2°C	100mm	400mm
ACC040C	40C	80C	Solvents Distillation	+72 to +126°C	0.2°C	100mm	400mm
ACC041C	41C	81C	Solvents Distillation	+98 to +152°C	0.2°C	100mm	400mm
ACC042C	42C	82C	Solvents Distillation	+95 to +255°C	0.5°C	100mm	400mm
ACC043C	43C	65C	Kinematic Viscosity	-51.6 to-34°C	0.1°C	TOTAL	425mm
ACC043F	43F	65F	Kinematic Viscosity	-61 to -29°F	0.2°F	TOTAL	425mm
ACC044C	44C	29C	Kinematic Viscosity	+18.6 to +21.4°C	0.05°C	TOTAL	310mm
ACC044F	44F	29F	Kinematic Viscosity	+66.5 to +71.5°F	0.1°F	TOTAL	310mm
ACC045C	45C	30C	Kinematic Viscosity	+23.6 to +26.4°C	0.05°C	TOTAL	310mm
ACC045F	45F	30F	Kinematic Viscosity	+74.5 to +79.5°F	0.1°F	TOTAL	310mm
ACC046C	46C	66C	Kinematic Viscosity	+48.6 to +51.4°C	0.05°C	TOTAL	310mm
ACC046F	46F	66F	Kinematic Viscosity	+119.5 to +124.5°F	0.1°F	TOTAL	310mm
ACC047C	47C	35C	Kinematic Viscosity	+58.6 to +61.4°C	0.05°C	TOTAL	310mm
ACC047F	47F	35F	Kinematic Viscosity	+137.5 to +142.5°F	0.1°F	TOTAL	310mm
ACC048C	48C	90C	Kinematic Viscosity	+80.6 to +83.4°C	0.05°C	TOTAL	310mm
ACC048F	48F	-	Kinematic Viscosity	+177.5 to +182.5°F	0.1°F	TOTAL	310mm
ACC049C	49C	-	Stormer Viscosity	+20 to +70°C	0.2°C	65mm	310mm
ACC050F	50F	-	Gas Colorimeter Inlet	+54 to +101°F	0.1°F	TOTAL	473mm
ACC051F	51F	-	Gas Colorimeter Outlet	+69 to +116°F	0.1°F	TOTAL	473mm
ACC052C	52C	-	Butane Boiling Point Range	-10 to +5°C	0.1°C	TOTAL	167mm
ACC053C	53C		Benzene Freezing Point	-0.6 to 10.4°C	0.1°C	TOTAL	189mm
ACC054C	54C	18C	Congealing Point	+20 to +100.6°C	0.2°C	TOTAL	315mm
ACC054F	54F	18F	Congealing Point	+68 to +213°F	0.5°F	TOTAL	315mm
ACC056C	56C	-	Bomb Calorimeter	+l9to+35°C	0.02°C	TOTAL	600mm
ACC056F	56F	-	Bomb Calorimeter	+66 to +95°F	0.05°F	TOTAL	600mm
ACC057C	57C	-	Tag Closed Tester Low Range	-20 to +50°C	0.5°C	57mm	292mm
ACC057F	57F	-	Tag Closed Tester Low Range	-4 to +122°F	1.0°F	57mm	292mm
ACC058C	58C	-	Tank	-34 to +49°C	0.5°C	TOTAL	305mm
ACC058F	58F	-	Tank	-30 to +120°F	1.0°F	TOTAL	305mm
ACC059C	59C	-	Tank	-18 to +82°C	0.5°C	TOTAL	305mm
ACC059F	59F	-	Tank	0 to +180°F	1.0°F	TOTAL	305mm
ACC060C	60C	-	Tank	+77 to +260°C	1.0°C	TOTAL	305mm
ACC060F	60F	-	Tank	+170 to +500°F	2.0°F	TOTAL	305mm
ACC061C	61C	63C	Petrolatum Melting Point	+32 to +127°C	0.2°C	79mm	385mm

ASTM - Mercury Thermometers

CATALOG No.	ASTM	IP	Name	Range	Divisions	Immersion	Length
ACC061F	61F	-	Petrolatum Melting Point	+90 to+260°F	0.5°F	79mm	385mm
ACC062C	62C	-	Precision	-38 to +2°C	0.1°C	TOTAL	384mm
ACC062F	62F	-	Precision	-36 to +35°F	0.2°F	TOTAL	384mm
ACC063C	63C	-	Precision	-8 to +32°C	0.1°C	TOTAL	384mm
ACC063F	63F	-	Precision	+18 to +89°F	0.2°F	TOTAL	384mm
ACC064C	64C	-	Precision	+25 to +55°C	0.1°C	TOTAL	384mm
ACC064F	64F	-	Precision	+77 to +131°F	0.2°F	TOTAL	384mm
ACC065C	65C	-	Precision	+50 to +80°C	0.1°C	TOTAL	384mm
ACC065F	65F	-	Precision	+122 to +176°F	0.2°F	TOTAL	384mm
ACC066C	66C	-	Precision	+75 to +105°C	0.1°C	TOTAL	384mm
ACC066F	66F	-	Precision	+167 to +221°F	0.2°F	TOTAL	384mm
ACC067C	67C	-	Precision	+95 to +155°C	0.2°C	TOTAL	384mm
ACC067F	67F	-	Precision	+203 to +311 °F	0.5°F	TOTAL	384mm
ACC068C	68C	-	Precision	+145 to +205°C	0.2°C	TOTAL	384mm
ACC068F	68F	-	Precision	+293 to +401°F	0.5°F	TOTAL	384mm
ACC069C	69C	-	Precision	+195 to +305°C	0.5°C	TOTAL	384mm
ACC069F	69F	-	Precision	+383 to +581°F	1.0°F	TOTAL	384mm
ACC070C	70C	-	Precision	+295 to +405°C	0.5°C	TOTAL	384mm
ACC070F	70F	-	Precision	+563 to +761°F	1.0°F	TOTAL	384mm
ACC071C	71C	72C	Oil In Wax	-37 to +21°C	0.5°C	76mm	360mm
ACC071F	71F	72F	Oil In Wax	-35 to +70°F	1.0°F	76mm	360mm
ACC072C	72C	67C	Kinematic Viscosity	-19.4 to -16.6°C	0.05°C	TOTAL	310mm
ACC072F	72F	67F	Kinematic Viscosity	-2.5 to +2.5°F	0.1°F	TOTAL	310mm
ACC073C	73C	68C	Kinematic Viscosity	-41.4 to -38.6°C	0.05°C	TOTAL	310mm
ACC073F	73F	68F	Kinematic Viscosity	-42.5 to -37.5°F	0.1°F	TOTAL	310mm
ACC074C	74C	69C	Kinematic Viscosity	-55.4 to -52.6°C	0.05°C	TOTAL	310mm
ACC074F	74F	69F	Kinematic Viscosity	-67.5 to -62.5°F	0.1°F	TOTAL	310mm
ACC075F	75F	-	Coolant (Anti-Freeze) Freezing Point	-35 to +35°F	0.5°F	100mm	413mm
ACC076F	76F	-	Coolant (Anti-Freeze) Freezing Point	-65 to +5°F	0.5°F	100mm	413mm
ACC077F	77F	-	Saybolt Viscosity	+245 to +265°F	0.5°F	TOTAL	280mm
ACC078F	78F	-	Saybolt Viscosity	+295 to +315°F	0.5°F	TOTAL	280mm
ACC079F	79F	-	Saybolt Viscosity	+345 to +365°F	0.5°F	TOTAL	280mm
ACC080F	80F	-	Saybolt Viscosity	+395 to +415°F	0.5°F	TOTAL	280mm
ACC081F	81F	-	Saybolt Viscosity	+445 to +465°F	0.5°F	TOTAL	280mm
ACC082C	82C	-	Fuel Rating, Engine	-15 to +105°C	1.0°C	30mm	165mm
ACC082F	82F	-	Fuel Rating, Engine	0 to +220°F	2.0°F	30mm	165mm
ACC083C	83C	-	Fuel Rating, Air	+15 to +70°C	1.0°C	40mm	174mm
ACC083F	83F	-	Fuel Rating, Air	+60 to +160°F	1.0°F	40mm	174mm
ACC084C	84C	-	Fuel Rating, Orifice Tank	+25 to +80°C	1.0°C	249mm	387mm
ACC084F	84F	-	Fuel Rating, Orifice Tank	+75 to +175°F	1.0°F	249mm	387mm
ACC085C	85C	-	Fuel Rating, Surge	+40 to +150°C	1.0°C	181mm	314mm
ACC085F	85F	-	Fuel Rating, Surge	+100 to +300°F	2.0°F	181mm	314mm
ACC086C	86C	-	Fuel Rating, Mix	+95 to +175°C	1.0°C	35mm	170mm
ACC086F	86F	-	Fuel Rating, Mix	+200 to +350°F	2.0°F	35mm	170mm
ACC087C	87C	-	Fuel Rating, Coolant	+150 to +205°C	1.0°C	40mm	175mm
ACC087F	87F	-	Fuel Rating, Coolant	+300 to +400°F	1.0°F	40mm	175mm
ACC088C	88C	-	Vegetable Oil Flash	+10 to +200°C	1.0°C	57mm	292mm
ACC088F	88F	-	Vegetable Oil Flash	+50 to +392°F	2.0°F	57mm	292mm
ACC089C	89C	-	Solidification Point	-20 to +10°C	0.1°C	76mm	375mm
ACC090C	90C	-	Solidification Point	0 to +30°C	0.1°C	76mm	375mm
ACC091C	91C	-	Solidification Point	+20 to +50°C	0.1°C	76mm	375mm
ACC092C	92C	-	Solidification Point	+40 to +70°C	0.1°C	76mm	375mm
ACC093C	93C	-	Solidification Point	+60 to +90°C	0.1°C	76mm	375mm
ACC094C	94C	-	Solidification Point	+80 to +110°C	0.1°C	76mm	375mm
ACC095C	95C	-	Solidification Point	+100 to +130°C	0.1°C	76mm	375mm

CATALOG No.	ASTM	IP	Name	Range	Divisions	Immersion	Length
ACC096C	96C	-	Solidification Point	+120 to +150°C	0.1°C	76mm	375mm
ACC097C	97C	-	Tank	-18 to +49°C	0.5°C	TOTAL	305mm
ACC097F	97F	-	Tank	0 to +120°F	1.0°F	TOTAL	305mm
ACC098C	98C	-	Tank	+16 to +82°C	0.5°C	TOTAL	305mm
ACC098F	98F	-	Tank	+60 to +180°F	1.0°F	TOTAL	305mm
ACC099C	99C	-	Weathering Test	-50 to +5°C	0.2°C	35mm	305mm
ACC099F	99F	-	Weathering Test	-58 to +41°F	0.5°F	35mm	305mm
ACC100C	100C	-	Solidification Point	+145 to +205°C	0.2°C	76mm	375mm
ACC101C	101C	-	Solidification Point	+195 to +305°C	0.5°C	76mm	375mm
ACC102C	102C	83C	Solvents Distillation	+123 to +177°C	0.2°C	100mm	400mm
ACC103C	103C	84C	Solvents Distillation	+148 to +202°C	0.2°C	100mm	400mm
ACC104C	104C	85C	Solvents Distillation	+173 to +227°C	0.2°C	100mm	400mm
ACC105C	105C	86C	Solvents Distillation	+198 to +252°C	0.2°C	100mm	400mm
ACC106C	106C	87C	Solvents Distillation	+223 to +277°C	0.2°C	100mm	400mm
ACC107C	107C	88C	Solvents Distillation	+248 to +302°C	0.2°C	100mm	400mm
ACC108F	108F	-	Saybolt Viscosity	+270 to +290°F	0.5°F	TOTAL	280mm
ACC109F	109F	-	Saybolt Viscosity	+320 to +340°F	0.5°F	TOTAL	280mm
ACC110C	110C	93C	Kinematic Viscosity	+133.6 to +136.4°C	0.05°C	TOTAL	310mm
ACC110F	110F	-	Kinematic Viscosity	+272.5 to +277.5°F	0.1°F	TOTAL	310mm
ACC111C	111C	-	Tar Acid Distillation	+170 to +250°C	0.2°C	100mm	400mm
ACC112C	112C	-	Solidification Point Of Benzene	+4 to +6°C	0.02°C	TOTAL	220mm
ACC113C	113C	89C	Bitumen Softening Point Wide Range	-1 to +175°C	0.5°C	TOTAL	410mm
ACC113F	113F	89F	Bitumen Softening Point Wide Range	+30 to +350°F	1.0°F	TOTAL	410mm
ACC114C	114C	14C	Aviation Fuel Freezing Pt. (red spirit filled)	-80 to +20°C	0.5°C	TOTAL	305mm
ACC115C	115C	-	Enclosed scale beckman type	5 OR 6°C	0.01°C	-	640mm
ACC116C	116C	-	Bomb Calorimeter	+18.9 to +25.1°C	0.01°C	TOTAL	614mm
ACC117C	117C	-	Bomb Calorimeter	+23.9 to +30.1°C	0.01°C	TOTAL	614mm
ACC118C	118C	-	Kinematic Viscosity	+28.6 to +31.4°C	0.05°C	TOTAL	310mm
ACC118F	118F	-	Kinematic Viscosity	+83.5 to +88.5°F	0.1°F	TOTAL	310mm
ACC119C	119C	-	Coolant (Anti-Freeze) Freezing Point	-38.3 to -30°C	0.1°C	100mm	425mm
ACC119F	119F	-	Coolant (Anti-Freeze) Freezing Point	-37 to -22°F	0.2°F	100mm	425mm
ACC120C	120C	92C	Kinematic Viscosity	38.6 to +41.4°C	0.05°C	TOTAL	310mm
ACC121C	121C	32C	Kinematic Viscosity	+98.6 to +101.4°C	0.05°C	TOTAL	310mm
ACC122C	122C	94C	Brookfield Viscosity	-45 to -35°C	0.1°C	TOTAL	305mm
ACC123C	123C	95C	Brookfield Viscosity	-35 to -25°C	0.1°C	TOTAL	305mm
ACC124C	124C	96C	Brookfield Viscosity	-25 to -15°C	0.1°C	TOTAL	305mm
ACC125C	125C	97C	Brookfield Viscosity	-15 to -5°C	0.1°C	TOTAL	305mm
ACC126C	126C	71C	Kinematic Viscosity	-27.4 to -24.6°C	0.05°C	TOTAL	310mm
ACC126F	126F	71F	Kinematic Viscosity	-17.5 to -12.5°F	0.1°F	TOTAL	310mm
ACC127C	127C	99C	Kinematic Viscosity	-21.4 to -18.6°C	0.05°C	TOTAL	310mm
ACC128C	128C	33C	Kinematic Viscosity	-1.4 to +1.4°C	0.05°C	TOTAL	310mm
ACC128F	128F	33F	Kinematic Viscosity	+29.5 to +34.5°F	0.1°F	TOTAL	310mm
ACC129C	129C	36C	Kinematic Viscosity	+91.6 to +94.4°C	0.05°C	TOTAL	310mm
ACC129F	129F	36F	Kinematic Viscosity	+197.5 to +202.5°F	0.1°F	TOTAL	310mm
ACC130C	130C	-	Tank	-7 to +105°C	0.5°C	TOTAL	305mm
ACC130F	130F	-	Tank	+20 to +220°F	1.0°F	TOTAL	305mm
ACC132C	132C	102C	Kinematic Viscosity	+148.6 to +151.4°C	0.05°C	TOTAL	310mm
ACC133C	133C	-	Precision	-38 to +2°C	0.1°C	76mm	384mm
ACC134C	134C	-	Sludge	+144 to +156°C	0.2°C	100mm	270mm
ACC135C	135C	-	Fuel Rating Air High	+38 to +93°C	1.0°C	40mm	168mm
ACC135F	135F	-	Fuel Rating Air High	+100 to +200°F	1.0°F	40mm	168mm
ACC136C	136C	-	Aviation Fuel Density	- 20 to +60°C	0.2°C	TOTAL	285mm
ACC136F	136F	-	Aviation Fuel Density	- 5 to +140°F	0.5°C	TOTAL	285mm
ACC137C	137C	-	Oxidation Cell Test	+80 to +100°C	0.1°C	76mm	250mm

ASTM Certified - Hg Thermometers

Methods used in the calibration of these instruments are indicated in ASTM E1 - 13 Standard Specification for ASTM Liquid-in-Glass Thermometers

CATALOG No.	ASTM No.	Certified Temperatures
ACC001CFC	1C	-20°, 0°, 50°, 100°, 150°C
ACC001FFC	1F	0°, 32°, 122°, 212°, 302°F
ACC002CFC	2C	0°, 75°, 150°, 225°, 300°C
ACC002FFC	2F	32°, 150°, 300°, 450°, 580°F
ACC003CFC	3C	0°, 100°, 200°, 300°, 370°C
ACC003FFC	3F	32°, 200°, 370°, 540°, 700°F
ACC004CFC	4C	0°, 50°, 100°C
ACC004FFC	4F	32°, 122°, 212°F
ACC005CFC	5C	-35°, 0°, 50°C
ACC005FFC	5F	-30°, 32°, 120°F
ACC006CFC	6C	-70°, -35°, 0°, 20°C
ACC006FFC	6F	-94°, -30°, 32°, 70°F
ACC007CFC	7C	0°, 50°, 100°, 150°, 200°, 250°, 300°C
ACC007FFC	7F	32°, 100°, 200°, 300°, 400°, 500°, 570°F
ACC008CFC	8C	0°, 100°, 200°, 300°, 370°C
ACC008CFC	8F	32°, 200°, 370°, 540°, 700°F
ACC009CFC	9C	0°, 35°, 70°, 105°C
ACC009FFC	9F	32°, 100°, 160°, 220°F
ACC010CFC	10C	100°, 200°, 300°, 370°C
ACC010FFC	10F	212°, 390°, 570°, 700°F
ACC011CFC	11C	0°, 100°, 200°, 300°, 370°C
ACC011FFC	11F	32°, 200°, 370°, 540°, 700°F
ACC012CFC	12C	-20°, -10°, 0°, 10°, 20°, 30°, 40°, 50°, 60°, 70°, 80°, 90°, 100°C
ACC012FFC	12F	-5°, 15°, 32°, 60°, 85°, 11 0°, 135°, 160°, 185°, 210°F
ACC013CFC	13C	155°, 163°, 170°C
ACC014CFC	14C	40°, 50°, 60°, 70°, 80°C
ACC014FFC	14F	100°, 120°, 140°, 160°, 180°F
ACC015CFC	15C	0°, 20°, 40°, 60°, 80°C
ACC015FFC	15F	32°, 70°, 100°, 140°, 180°F
ACC016CFC	16C	30°, 60°, 90°, 120°, 150°, 180°, 200°C
ACC016FFC	16F	90°, 140°, 190°, 240°, 290°, 340°, 390°F
ACC017CFC	17C	21°, 25°C
ACC017FFC	17F	70°, 77°F
ACC018CFC	18C	38°, 41 °C
ACC018FFC	18F	100°, 107°F
ACC019CFC	19C	50°, 54°C
ACC019FFC	19F	122°, 130°F
ACC020CFC	20C	60°, 64°C
ACC020FFC	20F	140°, 147°F
ACC021CFC	21C	82°, 86°C
ACC021FFC	21F	180°, 187°F
ACC022CFC	22C	99°, 102°C
ACC022FFC	22F	210°, 212°F
ACC023CFC	23C	20°, 25°C
ACC024CFC	24C	40°, 50°C
ACC025CFC	25C	95°, 100°C
ACC026CFC	26C	130°, 135°, 140°C
ACC027CFC	27C	155°, 165°, 175°C
ACC028CFC	28C	0°, 37.8°, 39°C
ACC028FFC	28F	32°, 100°, 102°F
ACC029CFC	29C	0°, 54.4°, 55°C
ACC029FFC	29F	32°. 130°, 132°F
ACC030FFC	30F	32°, 210°, 212°F
ACC031FFC	31F	-20°, 32°, 100°F
ACC033CFC	33C	-35°, -20°, 0°, 20°, 40°C
ACC033FFC	33F	-31°, -4°, 32°, 68°, 104°F
ACC034CFC	34C	25°, 45°, 65°, 85°, 100°C
ACC034FFC	34F	77°. 113°, 149°, 185°, 212°F
ACC035CFC	35C	100°, 120°, 140°, 160°, 170°C
ACC035FFC	35F	212°, 250°, 285°, 320°, 338°F
ACC036CFC	36C	0°, 15°, 30°, 45°, 65°C
ACC037CFC	37C	0°, 15°, 30°, 50°C
ACC038CFC	38C	25°, 40°, 55°, 75°F
ACC039CFC	39C	50°, 65°, 80°, 100°C
ACC040CFC	40C	75°, 90°, 105°, 125°C
ACC041CFC	41C	100°, 115°, 130°, 150°C
ACC042CFC	42C	100°, 150°, 200°, 250°C
ACC043CFC	43C	-50°, -45°, -40°, -35°, 0°C
ACC043FFC	43F	-60°, -50°, -40°, -30°, 32°F
ACC044CFC	44C	0°, 20°, 2rC
ACC044FFC	44F	32°, 68°, 70°F
ACC045CFC	45C	0°, 25°, 26°C
ACC045FFC	45F	32°, 77°, 79°F
ACC046CFC	46C	0°, 50°, 51°C
ACC046FFC	46F	32°, 122°, 124°F
ACC047CFC	47C	0°, 60°, 61°C
ACC047FFC	47F	32°, 140°, 142°F
ACC048CFC	48C	0°, 82.2°, 83°C
ACC048FFC	48F	32°, 180°, 182°F
ACC049CFC	49C	20°, 35°, 50°, 70°C
ACC050FFC	50F	55°, 60°, 65°, 70°, 75°, 80°F
ACC051FFC	51F	70°, 75°, 80°, 85°, 90°, 95°F
ACC052CFC	52C	-10°, 0°, 5°C
ACC053CFC	53C	0°, 5°, 10°C
ACC054CFC	54C	20°, 50°, 75°, 100°C
ACC054FFC	54F	70°, 120°, 170°, 210°F
ACC056CFC	56C	19°. 21 °, 23°, 25°, 27°. 29°, 31°, 33°, 35°C
ACC056FFC	56F	66°, 70°, 74°, 78°, 82°, 88°, 92°, 95°F

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ACC057CFC	57C	-20°, 0°, 25°, 50°C
ACC057FFC	57F	-3°, 32°, 77°, 122°F
ACC058CFC	58C	-30°, 0°, 25°, 45°C
ACC058FFC	58F	-20°, 32°, 80°, 120°F
ACC059CFC	59C	0°, 25°, 55°, 80°C
ACC059FFC	59F	32°, 80°, 130°, 180°F
ACC060CFC	60C	100°, 175°, 255°C
ACC060FFC	60F	212°, 350°, 490°F
ACC061CFC	61C	40°, 60°, 80°, 100°, 120°C
ACC061FFC	61F	100°, 150°, 200°, 250°F
ACC071CFC	71C	-35°, -18°, 0°, 20°C
ACC071FFC	71F	-30°, 0°, 32°, 70°F
ACC072CFC	72C	-19°, 17.8°, 0°C
ACC072FFC	72F	-2°, 0°, 32°F
ACC073CFC	73C	-41°, -40°, 0°C
ACC073FFC	73F	-42°, -40°, 32°F
ACC074CFC	74C	-55°, -53.9°, 0°C
ACC074FFC	74F	-67, -65°, 32°F
ACC075FFC	75F	-35°, 0°, 32°F
ACC076FFC	76F	-65°, -30°, 32°F
ACC077FFC	77F	250°, 260° F
ACC078FFC	78F	300°, 310°F
ACC079FFC	79F	350°, 360°F
ACC080FFC	80F	400°, 410°F
ACC081FFC	81F	450°, 460°F
ACC082CFC	82C	0°, 50°, 100°C
ACC082FFC	82F	32°, 100°, 1200°F
ACC083CFC	83C	25°, 70°C
ACC083FFC	83F	85°, 135°F
ACC084CFC	84C	30°, 80°C
ACC084FFC	84F	100°, 150°F
ACC085CFC	85C	50°, 150°C
ACC085FFC	85F	150°, 250°F
ACC086CFC	86C	100°, 175°C
ACC086FFC	86F	225°, 325°F
ACC087CFC	87C	160°, 200°C
ACC087FFC	87F	300°, 400°F
ACC088CFC	88C	40°, 100°, 150°, 200°C
ACC088FFC	88F	110°, 212°, 300°, 392°F
ACC089CFC	89C	-20°, -10°, 0°, 10°C
ACC090CFC	90C	0°, 10°, 20°, 30°C
ACC091CFC	91C	20°, 30°, 40°, 50°C
ACC092CFC	92C	40°, 50°, 60°, 70°C
ACC093CFC	93C	60°, 70°, 80°, 90°C
ACC094CFC	94C	80°, 90°, 100°, 110°C
ACC095CFC	95C	100°, 110°, 120°, 130°C
ACC096CFC	96C	120°, 130°, 140°, 150°C
ACC097CFC	97C	-15°, 0°, 20°, 45°C
ACC097FFC	97F	0°, 32°, 70°, 110°F
ACC098CFC	98C	20°, 40°, , 60°, 80°C
ACC098FFC	98F	60°, 100°, 140°, 180°F
ACC099CFC	99C	-46, -32°, -18°, 0°C
ACC099FFC	99F	-50°, -25°, 0°, 32°F
ACC100CFC	100C	145°, 165°, 185°, 205°C
ACC101CFC	101C	200°, 250°, 300°C
ACC102CFC	102C	125°, 140°, 155°, 175°C
ACC103CFC	103C	150°, 165°, 180°, 200°C
ACC104CFC	104C	175°, 190°, 205°, 225°C
ACC105CFC	105C	200°, 215°, 230°, 250°C
ACC106CFC	106C	225°, 240°, 255°, 275°C
ACC107CFC	107C	250°, 265°, 280°, 300°C
ACC108FFC	108C	275°, 285°C
ACC109FFC	109C	325°, 335°C
ACC110CFC	110C	0°, 135°, 138°C
ACC110FFC	110F	32°, 275°, 277°C
ACC111CFC	111C	170°, 200°, 250°C
ACC112CFC	112C	0°, 4°, 5°, 6°C
ACC113CFC	113C	0°, 50°, 100°, 150°, 175°C
ACC113FFC	113F	32°, 122°, 212°, 302°, 347°F
ACC114CFC	114C	-75°, -60°, -40°, 0°C
ACC114FFC	114F	-103°, -76°, -40°, 32°F
ACC116CFC	116C	19°, 20°, 21 , 22°, 23°, 24°, 25°C
ACC117CFC	117C	24°, 25°, 26°, 27°, 28°, 29°, 30°C
ACC118CFC	118C	0°, 30°, 31°C
ACC118FFC	118F	32°, 86°, 88°F
ACC119CFC	119C	-38°, -30°, 0°C
ACC119FFC	119F	-36°, -22°, 32°F
ACC120CFC	120C	0°, 40°, 41°C
ACC121CFC	121C	0°, 100°, 101°C
ACC122CFC	122C	-45°, -40°, -35°C
ACC123CFC	123C	-35°, -30°, -25°C
ACC124CFC	124C	-25°, -20°, -15°C
ACC125CFC	125C	-15°, -10°, -5°C
ACC126CFC	126C	-27°, -26.1°, 0°C
ACC126FFC	126F	-17°, -15°, 32°F
ACC127CFC	127C	-21°, -20°, 0°C
ACC128CFC	128C	0°, 1°C
ACC128FFC	128F	32°, 34°F
ACC129CFC	129C	0°, 93.3°, 94°C
ACC129FFC	129F	32°, 200°, 202°F
ACC130CFC	130C	0°, 35°, 70°, 105°C
ACC130FFC	130F	32°, 100°, 160°, 220°F
ACC132CFC	132C	0°, 150°, 151°C
ACC133CFC	133C	-24°, -18°, -12°, -6°, 0°F
ACC134CFC	134C	145°, 150°, 155°C
ACC135CFC	135C	50°, 90°C
ACC135FFC	135F	125°, 195°F
ACC136CFC	136C	-20°, -10°, 0°, 10°, 20°, 30°, 40°, 50°, 60°C
ACC136FFC	136F	-5°, 15°, 32°, 60°, 85°, 110°, 135°F
ACC137CFC	137C	80°, 90°, 100°C

ASTM - Hg Precision Factory Certified Thermometers

MERCURY THERMOMETERS

CELSIUS SCALE - TOTAL IMMERSION - 379mm Length

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062CFC	62C	-38 to +2°C	0.1°C	-37°, -30°, -20°, -10°, 0°C
ACC063CFC	63C	-8 to 32°C	0.1°C	-7°, 0°, 10°, 20°, 30°C
ACC064CFC	64C	+25 to 55°C	0.1°C	0°, 25°, 35°, 45°, 55°C
ACC065CFC	65C	+50 to 80°C	0.1°C	0°, 50°, 60°, 70°, 80°C
ACC066CFC	66C	+75 to 105°C	0.1°C	0°, 75°, 85°, 95°, 105°C
ACC067CFC	67C	+95 to 155°C	0.2°C	0°, 100°, 110°, 130°, 150°C
ACC068CFC	68C	+145 to 205°C	0.2°C	0°, 150°, 170°, 190°, 205°C
ACC069CFC	69C	+195 to 305°C	0.5°C	0°, 200°, 235°, 270°, 305°C
ACC070CFC	70C	+295 to 405°C	0.5°C	0°, 300°, 335°, 370°, 400°C

CELSIUS SCALE - PARTIAL IMMERSION (104mm)

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062C4FC	62C	-38 to +2°C	0.1°C	-37°, -30°, -20°, -10°, 0°C
ACC063C4FC	63C	-8 to 32°C	0.1°C	-7°, 0°, 10°, 20°, 30°C
ACC064C4FC	64C	+25 to 55°C	0.1°C	0°, 25°, 35°, 45°, 55°C
ACC065C4FC	65C	+50 to 80°C	0.1°C	0°, 50°, 60°, 70°, 80°C
ACC066C4FC	66C	+75 to 105°C	0.1°C	0°, 75°, 85°, 95°, 105°C
ACC067C4FC	67C	+95 to 155°C	0.2°C	0°, 100°, 110°, 130°, 150°C
ACC068C4FC	68C	+145 to 205°C	0.2°C	0°, 150°, 170°, 190°, 205°C
ACC069C4FC	69C	+195 to 305°C	0.5°C	0°, 200°, 235°, 270°, 305°C
ACC070C4FC	70C	+295 to 405°C	0.5°C	0°, 300°, 335°, 370°, 400°C

FAHRENHEIT SCALE - TOTAL IMMERSION - 379mm Length

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062FFC	62F	-36 to 35°F	0.2°F	-35°, -15°, 0°, 15°, 32°F
ACC063FFC	63F	+18 to 89°F	0.2°F	20°, 32°, 50°, 70°, 88°F
ACC064FFC	64F	+77 to 131°F	0.2°F	32°, 80°, 95°, 115°, 130°F
ACC065FFC	65F	+122 to 176°F	0.2°F	32°, 125°, 145°, 160°, 175°F
ACC066FFC	66F	+167 to 221°F	0.2°F	32°, 168°, 185°, 200°, 220°F
ACC067FFC	67F	+203 to 311°F	0.5°F	32°, 205°, 240°, 275°, 310°F
ACC068FFC	68F	+293 to 401°F	0.5°F	32°, 300°, 340°, 370°, 400°F
ACC069FFC	69F	+383 to 581°F	1.0°F	32°, 400°, 460°, 520°, 580°F
ACC070FFC	70F	+563 to 761°F	1.0°F	32°, 570°, 640°, 700°, 760°F

FAHRENHEIT SCALE - PARTIAL IMMERSION (104mm)

CATALOG No.	ASTM No.	Range	Divisions	Calibrated (Certified) at
ACC062F4FC	62F	-36 to 35°F	0.2°F	-35°, -15°, 0°, 15°, 32°F
ACC063F4FC	63F	+18 to 89°F	0.2°F	20°, 32°, 50°, 70°, 88°F
ACC064F4FC	64F	+77 to 131°F	0.2°F	32°, 80°, 95°, 115°, 130°F
ACC065F4FC	65F	+122 to 176°F	0.2°F	32°, 125°, 145°, 160°, 175°F
ACC066F4FC	66F	+167 to 221°F	0.2°F	32°, 168°, 185°, 200°, 220°F
ACC067F4FC	67F	+203 to 311°F	0.5°F	32°, 205°, 240°, 275°, 310°F
ACC068F4FC	68F	+293 to 401°F	0.5°F	32°, 300°, 340°, 370°, 400°F
ACC069F4FC	69F	+383 to 581°F	1.0°F	32°, 400°, 460°, 520°, 580°F
ACC070F4FC	70F	+563 to 761°F	1.0°F	32°, 570°, 640°, 700°, 760°F

ASTM - Hg Precision Factory Certified Sets

ASTM - Hg Precision Certified Sets - Total & Partial Immersion

FEATURES:

- *Each Set Has 9 Certified Thermometers*
- *Traceable Calibration Documents Included*
- *Sets in °C (-37 to 400°C) or °F (-35 to 760°F)*
- *Sets Packed in Protective Case*
- *Available in Complete Sets or Individual Units*

Complete Sets of 9 ASTM Precision Factory Calibrated Thermometers

CATALOG No.	ASTM No.	Immersion	Ranges Covered
ACC6270CFC	62C Through 70C	Total	-37 to 400°C
ACC6270FFC	62F Through 70F	Total	-35 to 760°F
ACC6270C4FC	62C Through 70C	Partial	-37 to 400°C
ACC6270F4FC	62F Through 70F	Partial	-35 to 760°F

ASTM TANK GAUGING - Thermometers

"SCOOP-MASTER" CUP CASE THERMOMETER
Total Immersion

The"Scoop-Master" Thermometer is molded from heat resistant plastic, impervious to the chemical action of petroleum products and hydrocarbons.
The case is non-sparking and has a 120ml capacity cup, which meets ASTM and API requirements.
The thermometer is mounted with spring clips.
All thermometers are made in accordance to ASTM strict specifications.

"SCOOP-MASTER" CUP CASE THERMOMETER

Total Immersion

CATALOG No.	Thermometer Refill No.	Range	Division	Length
ACC272S1	ACC058F	-30 to 120°F	1.0°F	355mm
ACC272S2	ACC059F	0 to 180°F	1.0°F	355mm
ACC272S3	ACC130F	20 to 220°F	1.0°F	355mm
ACC273S1	ACC058C	-34 to +49°C	0.5°C	355mm
ACC27352	ACC059C	-18 to 82°C	0.5°C	355mm
ACC273S3	ACC130C	-7 to 105°C	0.5°C	355mm
ACC272CASE	Case only			

"WOODBACK" CUP CASE THERMOMETER
Total Immersion

The Wood-Back Thermometers were designed with a non-sparking brass cup which holds which holds 100ml of liquid, which meets with both ASTM and API requirements.
The thermometer is held in place with spring clips.
The hardwood is lacquered to prevent absorption from the sample.
All thermometers are made in accordance to ASTM strict specifications.

WOODBACK CUP CASE THERMOMETER

Total Immersion

CATALOG No.	Thermometer Refill No.	Range	Division	Length
Yellow back tube - Mercury filled				
ACC272WB1	ACC058F	-30 to 120°F	1.0°F	355mm
ACC272WB2	ACC059F	0 to 180°F	1.0°F	355mm
ACC272WB3	ACC130F	20 to 220°F	1.0°F	355mm
ACC272WB4	ACC060F	170 to 500°F	2.0°F	355mm
ACC273WB1	ACC058C	-34 to +49°C	0.5°C	355mm
ACC273WB2	ACC059C	-18 to 82°C	0.5°C	355mm
ACC273WB3	ACC130C	-7 to 105°C	0.5°C	355mm
ACC273WB4	ACC060C	77 to 260°C	1.0°F	355mm
White back tube - Blue Spirit filled				
ACC272WB1S	ACC058FS	-30 to 120°F	1.0°F	355mm
ACC272WB2S	ACC059FS	0 to 180°F	1.0°F	355mm
ACC272WB3S	ACC130F	20 to 220°F	1.0°F	355mm
ACC273WB1S	ACC058CS	-34 to +49°C	0.5°C	355mm
ACC273WB2S	ACC059CS	-18 to 82°C	0.5°C	355mm
ACC273WB3S	ACC130CBLS	-7 to 105°C	0.5°C	355mm
ACCWB	Case only			

NIST Traceable - Factory Certified Glass Thermometers

FEATURES: **17025 Accredited Lab**

- ***NIST Traceable***
- *Standards for Calibration and Verification Procedures*
- *Calibrated at Specific Temperatures with Correction Factors*
- *Traceable Calibration Document Included (See Page B-3)*
- *Thermometer Packed in Felt Lined Protective Case*

Thermco Certified Thermometers are used in temperature verification and calibration procedures. These instruments can be used to calibrate Liquid-In-Glass, RTD, Thermistors, Thermocouples, and Bi-Metal Thermometers.

The certified thermometers are carefully inspected to insure they conform to exact specifications and are certified against NIST standards.

Each thermometer is furnished with a document proving traceability and a felt-lined leatherette storage case.

NIST TRACEABLE - *Factory Certified Glass Thermometers*

Mercury Filled

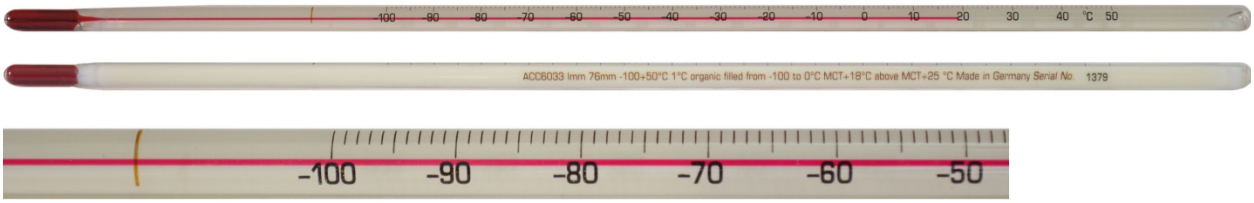
CATALOG No.	Range	Div	Imm	Certified @										Length
ACC6113FC	-20/110 c	1.0°C	76mm	0°C	37°C	56°C								305mm
ACC1003FC	-1/51°C	0.1°C	Total	0°C	10°C	20°C	30°C	37°C	40°C	50°C				460mm
ACC10033FC	-1/51°C	0.1°C	76mm	0°C	10°C	20°C	30°C	37°C	40°C	50°C				460mm
ACC1005FC	-1/101°C	0.1°C	Total	0°C	10°C	20°C	25°C	37°C	56°C	70°C	80°C	90°C	100°C	610mm
ACC10053FC	-1/101°C	0.1°C	76mm	0°C	10°C	20°C	25°C	37°C	56°C	70°C	80°C	90°C	100°C	610mm
ACC1007FC	-1/201°C	0.2°C	Total	0°C	25°C	37°C	44.6°C	56°C	105°C	121°C	180°C	200°C		610mm
ACC10073FC	-1/201°C	0.2°C	76mm	0°C	25°C	37°C	44.6°C	56°C	105°C	121°C	180°C	200°C		610mm
ACC10023FC	+30/124°F	0.2°F	76mm	32°F	40°F	60°F	100°F	120°F						460mm
ACC10023FCX	+30/124°F	0.2°F	76mm	60°F	90°F									460mm
ACC80135SCFC	+80/135°C	0.5°C	Total	121°C				Safety Coated						200mm
ACC80135DSCFC	+80/135°C	0.5°C	Total	120°C				Safety Coated For Dairies						200mm
ACC0623FC	-38/+2°C	0.1°C	76mm	-24°C	-18°C	1-12°C	-6°C	0°C						380mm
ACC713FC	+34.5/46°C	0.1°C	76mm	37°C	44.5°C									240mm
ACC934FC	+24/38°C	0.05°C	95mm	0°C	25°C	30°C	37°C							300mm

Spirit Filled

CATALOG No.	Range	Div	Imm	Certified @										Length
ACC6113SFC	-20/110°C	0.5°C	76mm	-10°C	0°C	4°C	25°C	37°C	56°C	105°C				305mm
ACC6113SXFC	-20/110°C	0.5°C	76mm	0°C	50°C	100°C								305mm
ACC6113SXYFC	-20/110°C	0.5°C	76mm	0°C	37°C	56°C								305mm
ACC611SSCFC	-20/110°C	1°C	Total	0°C	37°C	56°C								305mm
ACC6123SFC	0/300°F	2.0°F	76mm	32°F	100°F	200°F	300°F							305mm
ACC6133SFC	-20/150°C	1.0°C	76mm	0°C	60°C	120°C								305mm
ACC1003SFC	-1/51°C	0.1°C	Total	0°C	10°C	20°C	30°C	37°C	40°C	50°C				460mm
ACC10033SFC	-1/51°C	0.1°C	76mm	0°C	10°C	20°C	30°C	37°C	40°C	50°C				460mm
ACC1005SFC	-1/101°C	0.1°C	Total	0°C	10°C	20°C	25°C	37°C	56°C	70°C	80°C	90°C	100°C	610mm
ACC10053SFC	-1/101°C	0.1°C	76mm	0°C	10°C	20°C	25°C	37°C	56°C	70°C	80°C	90°C	100°C	610mm
ACC1007SFC	-1/201°C	0.2°C	Total	0°C	25°C	37°C	44.6°C	56°C	105°C	121°C	180°C	200°C		610mm
ACC10073SFC	-1/201°C	0.2°C	76mm	0°C	25°C	37°C	44.6°C	56°C	105°C	121°C	180°C	200°C		610mm
ACC1003BLSFC	-1/51°C	0.2°C	Total	0°C	10°C	20°C	30°C	37°C	40°C	50°C				400mm
ACC10033BLSFC	-1/51°C	0.2°C	76mm	0°C	10°C	20°C	30°C	37°C	40°C	50°C				400mm
ACC10613SFC	1/61°C	0.1°C	76mm	0°C	37°C	56°C								420mm
ACC1005BLSFC	-1/101°C	0.2°C	Total	0°C	10°C	20°C	25°C	37°C	56°C	70°C	80°C	90°C	100°C	450mm
ACC10053BLSFC	-1/101°C	0.2°C	76mm	0°C	10°C	20°C	25°C	37°C	56°C	70°C	80°C	90°C	100°C	450mm
ACC1007BLSFC	-1/201°C	0.5°C	Total	0°C	25°C	37°C	44.5°C	56°C	105°C	121°C	180°C	200°C		430mm
ACC10073BLSFC	-1/201°C	0.5°C	76mm	0°C	25°C	37°C	44.5°C	56°C	105°C	121°C	180°C	200°C		430mm
ACC603FC	-100/50°C	1.0°C	Total	-78°C	-20°C	0°C	4°C	25°C	37°C					305mm
ACC603XSCFC	-100/50°C	1.0°C	Total	-80°C	-70°C	-20°C	0°C	37°C						305mm
ACC6033FC	-100/50°C	1.0°C	76mm	-78°C	-20°C	0°C	4°C	25°C	37°C					305mm
ACC713BLSFC	+34.5/46°C	0.1°C	76mm	37°C	44.5°C									240mm
ACC10113BLSFC	-1/110°C	0. 2°C	76mm	0°C	4°C	25°C	37°C	44.6°C	56°C	105°C				460mm

PRECISION - Non-Mercury Laboratory Thermometers

SAMA PRECISION - Spirit Filled Laboratory Thermometers



- ***NIST Traceable***
- *Red Spirit Filled Thermometers*
- *Total and Partial Immersion*
- *Individually Serialized*

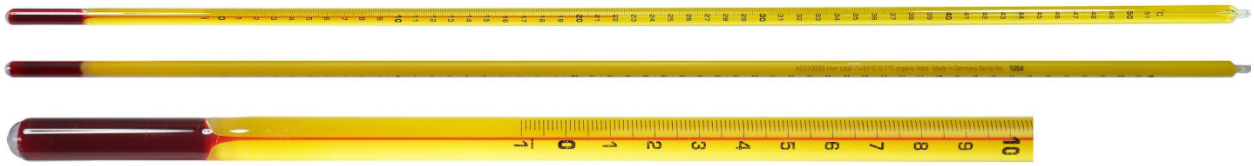
Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
ACC6093S	-35 to 50°C	1°C	76mm	305mm
ACC6113S	-20 to 110°C	1°C	76mm	305mm
ACC6133S	-20 to 150°C	1°C	76mm	305mm
ACC6153S	-10 to 200°C	1°C	76mm	305mm
ACC6173S	-10 to 260°C	1°C	76mm	305mm
ACC6083S	-30 to 120°F	1°F	76mm	305mm
ACC6123S	0 to 300°F	2°F	76mm	305mm
ACC6123XS	30 to 300°F	1°F	76mm	355mm
ACC6143S	20 to 400°F	2°F	76mm	305mm
ACC6013	-50 to 50°C	1°C	76mm	305mm
ACC6033	-100 to 50°C	1°C	76mm	305mm

Total Immersion

CATALOG NO.	Range	Div.	Immersion	Length
ACC609S	-35 to 50°C	1°C	TOTAL	305mm
ACC611S	-20 to 110°C	1°C	TOTAL	305mm
ACC613S	-20 to 150°C	1°C	TOTAL	305mm
ACC608S	-30 to 120°F	1°F	TOTAL	305mm
ACC610S	0 to 230°F	2°F	TOTAL	305mm
ACC612S	0 to 300°F	2°F	TOTAL	305mm
ACC601	-50 to 50°C	1°C	TOTAL	305mm
ACC603	-100 to 50°C	1°C	TOTAL	305mm
ACC605	-200 to 30°C	1°C	TOTAL	305mm

EXTREME FRACTIONAL DEGREE PRECISION - Spirit Filled Laboratory Thermometers



Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
ACC10033S	-1 to 51 °C	0.1°C	76mm	460mm
ACC10613S	-1 to 61 °C	0.1°C	76mm	420mm
ACC10053S	-1 to 101°C	0.1°C	76mm	610mm
ACC10073S	-1 to 201°C	0.2°C	76mm	610mm

Total Immersion

CATALOG No.	Range	Div.	Immersion	Length
ACC1003S	-1 to 51°C	0.1°C	TOTAL	460mm
ACC1005S	-1 to 101°C	0.1°C	TOTAL	610mm
ACC1007S	-1 to 201°C	0.2°C	TOTAL	610mm

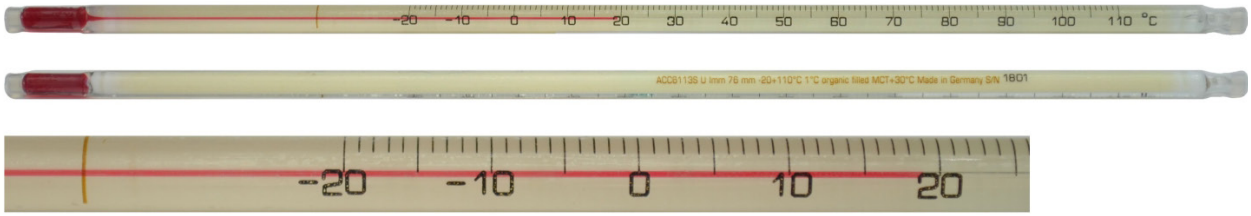
PRECISION POCKET TEST THERMOMETER - Spirit Filled Thermometer In Armor Case

- ***NIST Traceable***
- *Red Spirit Filled Thermometers*
- *Total Immersion*
- *Individually Serialized*
- *Metal Case w/ Pocket Clip*
- *Refills Available - See Chart*

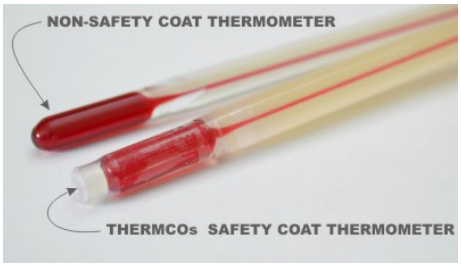
Closed Case Catalog No.	Open Face Catalog No.	Refill Only *Catalog No.*	Range	Divisions	Length
ACC532PXS	ACC532AXS	ACC532XS	+30 to 120°F	1°F	165mm
ACC532PS	ACC532AS	ACC532S	-30 to 120°F	2°F	165mm
ACC534PS	ACC534AS	ACC534S	0 to 220°F	2°F	165mm
ACC533PS	ACC533AS	ACC533S	-35 to 50°C	1°C	165mm
ACC535PS	ACC535AS	ACC535S	-15 to 105°C	1°C	165mm

For Complete Specifications - Accessories - Downloads Please Visit
www.ThermcoProducts.com

SAFETY COAT PRECISION - Spirit Filled Laboratory Thermometers



- ***NIST Traceable***
- *Thermometers are Completely Sealed in a PTEF Jacket*
- *Safety Jacket Contains Liquid & Glass if Breakage Occurs*
- *Thermometer Impervious to Acids and Alkalis*
- *Individually Serialized*



Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
ACC6093SSC	-35 to 50°C	1°C	76mm	305mm
ACC6113SSC	-20 to 110°C	1°C	76mm	300mm
ACC6133SSC	-20 to 150°C	1°C	76mm	300mm
ACC6153SSC	-10 to 200°C	1°C	76mm	305mm
ACC6173SSC	-10 to 260°C	1°C	76mm	405mm
ACC6083SSC	-30 to 120°F	1°F	76mm	305mm
ACC6103SSC	0 to 230°F	2°F	76mm	300mm
ACC6123SSC	0 to 300°F	2°F	76mm	300mm
ACC6143SSC	20 to 400°F	2°F	76mm	305mm
ACC6013SC	-50 to 50°C	1°C	76mm	305mm
ACC6033SC	-100 to 50°C	1°C	76mm	305mm

Total Immersion

CATALOG NO.	Range	Div.	Immersion	Length
ACC609SSC	-35 to 50°C	1°C	TOTAL	305mm
ACC611SSC	-20 to 110°C	1°C	TOTAL	305mm
ACC613SSC	-20 to 150°C	1°C	TOTAL	305mm
ACC608SSC	-30 to 120°F	1°F	TOTAL	305mm
ACC610SSC	0 to 230°F	2°F	TOTAL	305mm
ACC612SSC	0 to 300°F	2°F	TOTAL	305mm
ACC601SC	-50 to 50°C	1°C	TOTAL	305mm
ACC603SC	-100 to 50°C	1°C	TOTAL	305mm

PRECISION ARMORED - Spirit Filled Thermometers

- *Red Spirit Filled Thermometers*
- *Precision Thermometer in Nickel Plated Brass Armors*
- *Accurate to Within NIST Tolerances*
- *Armors have Slotted Fronts for Ease of Reading*
- *Armors Have Suspension Rings*
- *Replacement Thermometers Available*
- *(See Chart)*

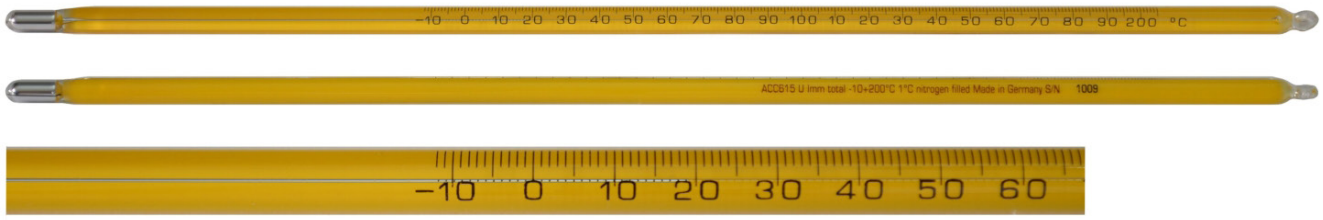
With Armor Catalog No.	Refill Only Catalog No.	Range	Divisions	Immersion	Length
ACC517SA	ACC517S	-35 to 50°C	1°C	76mm	305mm
ACC519SA	ACC519S	-20 to 110°C	1°C	76mm	305mm
ACC521SA	ACC521S	-20 to 150°C	1°C	76mm	305mm
ACC525SA	ACC525S	-10 to 200°C	1°C	76mm	305mm
ACC527SA	ACC527S	-10 to 260°C	1°C	76mm	405mm
ACC516SA	ACC516S	-30 to 120°F	1°F	76mm	305mm
ACC518SA	ACC518S	0 to 230°F	2°F	76mm	305mm
ACC522SA	ACC522S	30 to 300°F	2°F	76mm	305mm

CATALOG No.	Length
ACC6ARM	150mm (6”)
ACC8ARM	200mm (8”)
ACC12ARM	305mm (12”)
ACC14ARM	355mm (14”)
ACC16ARM	405mm (16”)
ACC18ARM	458mm (18”)
ACC24ARM	610mm (24”)

Nickel Plated Brass Replacement Armors

PRECISION - Hg Laboratory Thermometers

SAMA PRECISION -
Mercury Laboratory Thermometers



- *Specifications Approved by NIST, ANSI and ASTM*
- *Meets NIST Tolerance for Accuracy*
- *Individually Serialized*
- *Permanently Marked*
- *Several Ranges, Immersions and Subdivisions*
- *Mercury Filled - Yellow Back Tubing*

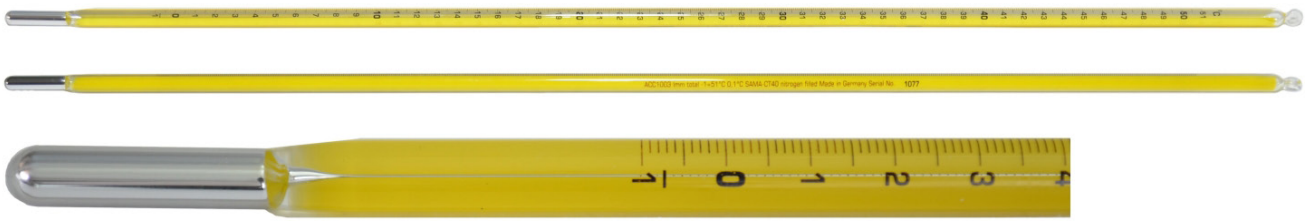
Partial Immersion

CATALOG No.	SAMA No.	Range	Div.	Immersion	Length
ACC6093	CP1O	-35 to 50°C	1°C	76mm	305mm
ACC6113	CP15	-20 to II0°C	1°C	76mm	305mm
ACC6133	CP2O	-20 to 150°C	1°C	76mm	305mm
ACC6153	—	-10 to 200°C	1°C	76mm	305mm
ACC6173	CP25	-10 to 260°C	1°C	76mm	405mm
ACC6233	CP3O	-10 to 400°C	2°C	76mm	405mm
ACC7033	CP35	-10 to 500°C	2°C	76mm	405mm
ACC6083	FP1O	-30 to 120°F	1°F	76mm	305mm
ACC6103	FP15	0 to 230°F	2°F	76mm	305mm
ACC6123	FP2O	0 to 300°F	2°F	76mm	305mm
ACC6143	—	20 to 400°F	2°F	76mm	305mm
ACC6163	FP25	20 to 500°F	2°F	76mm	405mm
ACC6203	FP3O	20 to 750°F	5°F	76mm	405mm
ACC7043	FP35	20 to 930°F	5°F	76mm	405mm
ACC610113	CFP15	-20 to 110°C & 0 to 230°F	1°C 2°F	76mm	305mm
ACC616173	CFP25	-10 to 260°C & 20 to 500°F	1°C 2°F	76mm	405mm
ACC620233	CFP3O	-10 to 400°C & 20 to 750°F	2°C 5°F	76mm	405mm

Total Immersion

CATALOG NO.	SAMA No.	Range	Div.	Immersion	Length
ACC609	CT1O	-35 to 50°C	1.0°C	TOTAL	305mm
ACC611	CT15	-20 to 110°C	1.0°C	TOTAL	305mm
ACC613	CT2O	-20 to 150°C	1.0°C	TOTAL	305mm
ACC615	—	-I0 to 200°C	1.0°C	TOTAL	305mm
ACC617	CT25	-10 to 260°C	1.0°C	TOTAL	305mm
ACC623	CT3O	-10 to 400°C	2.0°C	TOTAL	405mm
ACC703	CT35	-10 to 500°C	2.0°C	TOTAL	405mm
ACC608	FT1O	-30 to 120°F	1.0°F	TOTAL	305mm
ACC610	FT15	0 to 230°F	2.0°F	TOTAL	305mm
ACC612	FT2O	0 to 300°F	2.0°F	TOTAL	305mm
ACC614	—	20 to 400°F	2.0°F	TOTAL	405mm
ACC616	FT2	20 to 500°F	2.0°F	TOTAL	405mm
ACC620	FT3O	20 to 750°F	5.0°F.	TOTAL	405mm
ACC704	FT35	20 to 930°F	5.0°F.	TOTAL	405mm

SAMA EXTREME FRACTIONAL DEGREE PRECISION
Mercury Laboratory Thermometers



Partial Immersion

CATALOG No.	SAMA No.	Range	Div.	Immersion	Length
ACC10033	CP4O	-1 to 51°C	0.1°C	76mm	460mm
ACC10053	CP45	-1 to 101°C	0.1°C	76mm	610mm
ACC10073	CP5O	-1 to 201°C	0.2°C	76mm	610mm
ACC10023	FP40	30 to 124°F	0.2°F	76mm	460mm
ACC10043	FP45	30 to 214°F	0.2°F	76mm	610mm
ACC10063	FP3O	30 to 394°F	0.5°F	76mm	610mm

Total Immersion

CATALOG NO.	SAMA No.	Range	Div.	Immersion	Length
ACC1001	—	-35 to 50°C	0.1°C	TOTAL	610mm
ACC1003	CT4O	-1 to 5I°C	0.1°C	TOTAL	460mm
ACC1005	CT45	-1 to 101°C	0.1°C	TOTAL	610mm
ACC1007	CT5O	-1 to 2OI°C	0.2°C	TOTAL	610mm
ACC1000	—	-30 to 120°F	0.2°F	TOTAL	610mm
ACC1002	FT4O	30 to 124°F	0.2°F	TOTAL	460mm
ACC1004	FT45	30 to 214°F	0.2°F	TOTAL	610mm
ACC1006	FT5O	30 to 394°F	0.5°F	TOTAL	610mm

For Complete Specifications - Accessories - Downloads Please Visit
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SAFETY COAT PRECISION - Mercury Thermometers

- *Thermometers are Completely Sealed in a PTFE Jacket*
- *PTFE Jacket Contains Liquid & Glass if Breakage Occurs*
- *Thermometer Impervious to Acids and Alkalis*
- *Accurate to Within NIST Tolerances of Accuracy*
- *Individually Serialized*

Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
ACC6113SC	-20 to 110°C	1°C	76mm	300mm
ACC6133SC	-20 to 150°C	1°C	76mm	300mm
ACC6153SC	-l0 to 200°C	1°C	76mm	300mm
ACC6173SC	-10 to 260°C	1°C	76mm	450mm
ACC6103SC	0 to 230°F	2°F	76mm	300mm
ACC6123SC	0 to 300°F	2°F	76mm	300mm
ACC6143SC	20 to 400°F	2°F	76mm	450mm
ACC6163SC	20 to 500°F	2°F	76mm	450mm

Total Immersion

CATALOG NO.	Range	Div.	Immersion	Length
ACC611SC	-20 to 110°C	1°C	TOTAL	300mm
ACC613SC	-20 to 150°C	1°C	TOTAL	300mm
ACC615SC	-l0 to 200°C	1°C	TOTAL	300mm
ACC610SC	0 to 230°F	2°F	TOTAL	300mm
ACC612SC	0 to 300°F	2°F	TOTAL	300mm
ACC614SC	20 to 400°F	2°F	TOTAL	450mm
ACC614SC	20 to 400°F	2°F	TOTAL	450mm

MAXIMUM REGISTERING PRECISION ARMORED POCKET - Mercury Thermometer

Closed Case Catalog No.	Open Face Catalog No.	Refill Only Catalog No.	Range	Divisions	Length
ACC540P	ACC540A	ACC540	-30 to 120°F	2°F	165mm
ACC542P	ACC542A	ACC542	0 to 220°F	2°F	165mm
ACC544P	ACC544A	ACC544	50 to 300°F	2°F	165mm
ACC546P	ACC546A	ACC546	50 to 400°F	5°F	165mm
ACC548P	ACC548A	ACC548	200 to 500°F	5°F	165mm
ACC545P	ACC545A	ACC545	-20 to 150°C	1°C	165mm
ACC547P	ACC547A	ACC547	0 to 200°C	1°C	165mm
ACC549P	ACC549A	ACC549	0 to 260°C	2°C	165mm

- *Thermometers indicate High Temperature Attained During Use*
- *Thermometer Must be Shaken Down for Each New Reading*
- *Mounted in Armor Cases - Closed Case or Open Face Case*
- *Individually Serialized*
- *Refills Available - See Chart*

PRECISION ARMORED - Mercury Thermometers

- *Thermometer in Nickel Plated Brass Armor w/ Suspension Ring*
- *Thermometer Accurate to NIST Tolerances*
- *Armors have Slotted Fronts for Ease of Reading*
- *Replacement Thermometers Available (See Chart)*

With Armor Catalog No.	Refill Only Catalog No.	Range	Divisions	Immersion	Length
ACC517A	ACC517	-35 to 50°C	1°C	76mm	305mm
ACC519A	ACC519	-20 to 105°C	1°C	76mm	305mm
ACC521A	ACC521	-20 to 150°C	1°C	76mm	305mm
ACC523A	ACC523	-2 to 150°C	1°C	76mm	355mm
ACC525A	ACC525	-2 to 205°C	1°C	76mm	355mm
ACC527A	ACC527	-2 to 260°C	1°C	76mm	355mm
ACC531A	ACC531	-2 to 400°C	1°C	76mm	405mm
ACC516A	ACC516	-30 to 120°F	1°F	76mm	305mm
ACC518A	ACC518	0 to 220°F	2°F	76mm	305mm
ACC520A	ACC520	0 to 300°F	2°F	76mm	305mm

Nickel Plated Brass Armors Only

CATALOG NO.	Length
ACC6ARM	150mm (6")
ACC8ARM	200mm (8")
ACC12ARM	305mm (12")
ACC14ARM	355mm (14")
ACC16ARM	405mm (16")
ACC18ARM	458mm (18")
ACC24ARM	610mm (24")

SPECIAL APPLICATION - Thermometers

Thermco's Special Application Thermometers are designed to be used with laboratory equipment. Calibrated against NIST standards to assure accuracy and reproducibility. Some thermometers have enlargements on the stem for proper immersions. Several ranges and immersions to fit all applications.

FEATURES:

- ***NIST Traceable***
- *Custom Designed Thermometers for Laboratory Instruments*
- *Spirit-Filled & Mercury*
- *Individually Serialized*
- *Safty Coated and Uncoated*
- *Several Ranges and Immersions for all Instruments*

SPIRIT FILLED Thermometers

CATALOG No.	Range	Divisions	Immersion	Length	Safty Coat	Enlarge
For Block Heaters, Water Baths						
ACC715S	24 to 57˚C	0.5˚C	35mm	175mm	No	
ACC715SSC	24 to 57˚C	0.5˚C	35mm	175mm	Yes	
ACC6471S	0 to 110˚C	0.5˚C	35mm	225mm	No	
ACC647SSC	0 to 110˚C	0.5˚C	35mm	225mm	Yes	
For Incubators , Water Baths						
ACC711S	+20 to 100˚C	0.5˚C	76mm	305mm	No	Yes
ACC711SSC	+20 to 100˚C	0.5˚C	76mm	305mm	Yes	Yes
ACC641S	0 to 80˚C	1.0˚C	100mm	250mm	No	
ACC6411SSC	0 to 80˚C	1.0˚C	100mm	250mm	Yes	
ACC6371S	0 to 50°C	0.5°C	150mm	305mm	No	Yes
ACC6371SSC	0 to 50°C	0.5°C	150mm	305mm	Yes	Yes
ACC6391S	0 to 70˚C	1.0˚C	150mm	305mm	No	Yes
ACC6391SSC	0 to 70˚C	1.0˚C	150mm	305mm	Yes	Yes
ACC2457S	+25˚, 37˚, 56˚	0.5˚C	76mm	240mm	No	
ACC2457SSC	+25˚, 37˚, 56˚	0.5˚C	76mm	240mm	Yes	
For Coliform Incubators						
ACC713BLS	34.5 to 46˚C	0.1C	76mm	240mm	No	
ACC713BLSSC	34.5 to 46˚C	0.1C	76mm	240mm	Yes	
For Blood Bank, Refrigerator						
ACC717S	-5 to 20°C	1.0˚C	TOTAL	152mm	No	
ACC717SSC	-5 to 20°C	1.0˚C	TOTAL	152mm	Yes	
For Ovens, Oil Baths						
ACC637S	0 to 200˚C	1.0˚C	76mm	280mm	No	Yes
ACC637SSC	0 to 200˚C	1.0˚C	76mm	280mm	Yes	Yes
ACC639S	0 to 200˚C	1.0˚C	125mm	405mm	No	Yes
ACC639SSC	0 to 200˚C	1.0˚C	125mm	405mm	Yes	Yes
For Vacum Ovens						
ACC24130S	24 to 130˚C	1.0˚C	TOTAL	135mm	No	
ACC24130SSC	20 to 130˚C	1.0˚C	TOTAL	135mm	Yes	
ACC7200S	35 to 200˚C	1.0˚C	TOTAL	180mm	No	
ACC7200SSC	35 to 200˚C	1.0˚C	TOTAL	180mm	Yes	
For Tissue Flotation Bath						
ACC535S1	-15 to 105°C	1.0˚C	TOTAL	145mm	No	
ACC535S1SC	-15 to 105°C	1.0˚C	TOTAL	145mm	Yes	

MERCURY FILLED Thermometers

CATALOG No.	Range	Divisions	Immersion	Length	Safty Coat	Enlarge
For Block Heaters, Water Baths						
ACC715	25 to 57°C	0.5°C	35mm	175mm	No	
ACC715SC	25 to 57°C	0.5°C	35mm	175mm	Yes	
ACC647	0 to 110°C	1.0°C	35mm	225mm	No	
ACC647SC	0 to 110°C	1.0°C	35mm	225mm	Yes	
For Incubators, Water Baths						
ACC711	20 to 100°C	1.0°C	76mm	305mm	No	Yes
ACC711SC	20 to 100°C	1.0°C	76mm	305mm	Yes	Yes
ACC641	0 to 80°C	0.5°C	100mm	250mm	No	
ACC641SC	0 to 80°C	0.5°C	100mm	250mm	Yes	
ACC6371	0 to 50°C	0.5°C	150mm	305mm	No	Yes
ACC6371SC	0 to 50°C	0.5°C	150mm	305mm	Yes	Yes
ACC6391	0 to 70°C	1.0°C	150mm	330mm	No	Yes
ACC6391SC	0 to 70°C	1.0°C	150mm	330mm	Yes	Yes
For Coliform Incubator						
ACC713	34.5 to 46°C	0.1°C	76mm	237mm	No	
ACC713SC	34.5 to 46°C	0.1°C	76mm	237mm	Yes	
For Blood Bank, Refrigerator						
ACC717	-5 to 20°C	1.0°C	TOTAL	152mm	No	
ACC717SC	-5 to 20°C	1.0°C	TOTAL	152mm	Yes	
For Autoclave, Maximum Registering						
ACC80135SCA	80 to 135°C	0.5°C	TOTAL	200mm	No	w/Armor
ACC80135SC	80 to 135°C	0.5°C	TOTAL	200mm	Yes	
For Ovens, Oil Baths						
ACC629	0 to 300°C	1.0°C	125mm	405mm	No	Yes
ACC631	0 to 300°C	1.0°C	150mm	455mm	No	Yes
ACC633	0 to 300°C	1.0°C	305mm	610mm	No	Yes
ACC637	0 to 200°C	1.0°C	76mm	280mm	No	Yes
ACC637SC	0 to 200°C	1.0°C	76mm	280mm	Yes	Yes
ACC639	0 to 200°C	1.0°C	125mm	405mm	No	Yes
ACC639SC	0 to 200°C	1.0°C	125mm	405mm	Yes	Yes
ACC631350	0 to 350°C	1.0°C	150mm	455mm	No	Yes
Enzymology						
ACC934	24 to 38°C	0.05°C	95mm	300mm	NO	

For Complete Specifications - Accessories - Downloads Please Visit
www.ThermcoProducts.com

PRECISION - Taper Joint Thermometers

- ***NIST Traceable***
- *Red Spirit Filled Thermometers*
- *Individually Serialized*
- *Variety of Range and Immersions*
- *May be Safety Coated*
- *Deeper Immersion Available*

PRECISION - Red Spirit Filled Taper Joint Thermometers

10/30 Standard Taper Joint Thermometers

CATALOG No.	Range	Divisions	Immersion	Length
ACCST03110S	-10 to 110°C	1°C	75mm	325mm
ACCST04110S	-10 to 110°C	1°C	100mm	350mm
ACCST05110S	-10 to 110°C	1°C	125mm	375mm
ACCST06110S	-10 to 110°C	1°C	150mm	400mm
ACCST01150S	-10 to 150°C	1°C	25mm	275mm
ACCST02150S	-10 to 150°C	1°C	50mm	300mm
ACCST03150S	-10 to 150°C	1°C	75mm	325mm
ACCST04150S	-10 to 150°C	1°C	100mm	350mm
ACCST05150S	-10 to 150°C	1°C	125mm	375mm
ACCST06150S	-10 to 150°C	1°C	150mm	400mm
ACCST01250S	-10 to 250°C	1°C	25mm	325mm
ACCST02250S	-10 to 250°C	1°C	50mm	350mm
ACCST03250S	-10 to 250°C	1°C	75mm	375mm
ACCST04250S	-10 to 250°C	1°C	100mm	400mm
ACCST05250S	-10 to 250°C	1°C	125mm	425mm
ACCST06250S	-10 to 250°C	1°C	150mm	450mm

10/18 Standard Taper Joint Thermometers

CATALOG No.	Range	Divisions	Immersion	Length
ACCST1801150S	-10 to 150°C	1°C	25mm	265mm
ACCST1802150S	-10 to 150°C	1°C	50mm	290mm
ACCST1801250S	-10 to 250°C	1°C	25mm	315mm
ACCST1802250S	-10 to 250°C	1°C	50mm	340mm
ACCST1803250S	-10 to 250°C	1°C	76mm	365mm

Variable Immersion / Adjustable Bushing Thermometers

- *Mercury Filled*
- *Thermometers Have 10/18 Bushing*
- *Individually Serialized*
- *May be Safety-Coated*
- *Bushing Slides Along Stem Allowing Many Immersion Lengths*
- *Vapor and Liquid Temperatures without Dismantling Equipment*
- *6" Immersion for Flask Sizes 250mL to 3000mL*
- *12" Immersion for Flask Sizes 5,000mL to 22,000mL*

PRECISION - Mercury Adjustable Bushing Thermometers

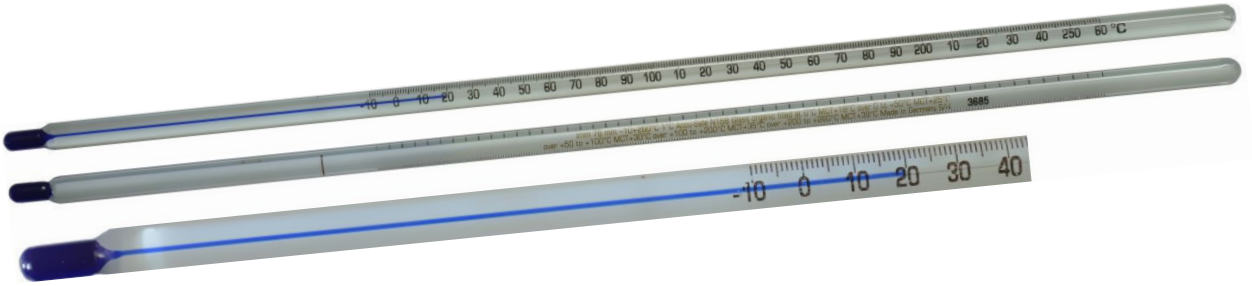
10/18 Variable Immersion - Adjustable Bushing Thermometers

CATALOG No.	Range	Divisions	Immersion
ACCAB2506	-10 to 250°C	1°C	6 inch
ACCAB25012	-10 to 250°C	1°C	12 inch
ACCAB3606	-10 to 360°C	1°C	6 inch
ACCAB36012	-10 to 360°C	1°C	12 inch

REPLACEMENT BUSHING ONLY

ACCAB

ACCU-SAFE - General Laboratory Thermometers



FEATURES

- *Non-Toxic Biodegradable Liquid & Dye*
- *Easy to Read Blue Liquid*
- *Each Thermometer Serialized*
- *Certificate of Accuracy Included*
- *Permanent Scales*
- *Several Ranges & Sizes*
- *Safety-Coating Available*

ACCU-SAFE Liquid-In-Glass Thermometers are filled with a biodegradable liquid and dye, which eliminates the hazards of mercury in the case of breakage and/or disposal. The safety-coated thermometers protect against breakage and contain the liquid and glass inside the coating for safety and easy disposal. A Certificate of Accuracy is included with each thermometer. Each thermometer is serialized and has blue liquid against a white background for ease of reading.

ACCU-SAFE Non-Toxic Thermometers

Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
B50CW3BLS	-35 to 50°C	1°C	76mm	305mm
ACC1103BLS	-20 to 110°C	1°C	76mm	305mm
ACC1503BLS	-20 to 150°C	1°C	76mm	305mm
ACC2603BLS	-10 to 260°C	1°C	76mm	305mm
B230FW3BLS	0 to 230°F	2°F	76mm	305mm
B3003BLS	0 to 300°F	2°F	76mm	305mm
B500FW3BLS	20 to 500 °F	2°F	76mm	405mm

Total Immersion

CATALOG No.	Range	Div.	Immersion	Length
B50CWBLS	-35 to 50°C	1°C	TOTAL	305mm
ACC110BLS	-20 to 110°C	1°C	TOTAL	305mm
ACC150BLS	-20 to 150°C	1°C	TOTAL	305mm
ACC210BLS	-10 to 210°C	1°C	TOTAL	355mm
B230FWBLS	0 to 230°F	2°F	TOTAL	305mm
B300FWBLS	0 to 300°F	2°F	TOTAL	305mm

ACCU-SAFE Non-Toxic Thermometers - *8" Laboratory Thermometers*

CATALOG No.	Range	Div.	Immersion	Length
B8TC1102BLS	-10 to 110°C	1°C	50mm	203mm
B8TC1502BLS	-10 to 150°C	1°C	50mm	203mm

CATALOG No.	Range	Divi	Immersion	Length
B8TC110BLS	-10 to 110°C	1°C	TOTAL	203mm
B8TC150BLS	-10 to 150°C	1°C	TOTAL	203mm

ACCU-SAFE Non-Toxic Thermometers - *Fractional Degree*

Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
B1050C3BLS	-10 to 50°C	0.5°C	76mm	305mm
ACC10033BLS	-1 to 51°C	0.2°C	76mm	400mm
ACC10053BLS	-1 to 101°C	0.2°C	76mm	450mm
ACC10073BLS	-1 to 201°C	0.5°C	76mm	430mm

Total Immersion

CATALOG No.	Range	Div.	Immersion	Length
B1050CWBLS	-10 to 50°C	0.5°C	TOTAL	305mm
ACC1003BLS	-1 to 51°C	0.2°C	TOTAL	400mm
ACC1005BLS	-1 to 101°C	0.2°C	TOTAL	450mm
ACC1007BLS	-1 to 201°C	0.5°C	TOTAL	430mm

ACCU-SAFE Non-Toxic Thermometers - *Safety Coated*

Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
B50CW3BLSSC	-35 to 50°C	1°C	76mm	305mm
ACC1103BLSSC	-20 to 110°C	1°C	76mm	305mm
ACC1503BLSSC	-20 to 150°C	1°C	76mm	305mm
ACC2603BLSSC	-10 to 260°C	1°C	76mm	305mm
B230FW3BLSSC	0 to 230°F	2°F	76mm	305mm
B3003BLSSC	0 to 300°F	2°F	76mm	305mm
B500FW3BLSSC	20 to 500 °F	2°F	76mm	405mm

Total Immersion

CATALOG No.	Range	Div.	Immersion	Length
B50CWBLSSC	-35 to 50°C	1°C	TOTAL	305mm
ACC110BLSSC	-20 to 110°C	1°C	TOTAL	305mm
ACC150BLSSC	-20 to 150°C	1°C	TOTAL	305mm
ACC210BLSSC	-10 to 210°C	1°C	TOTAL	355mm
B230FWBLSSC	0 to 230°F	2°F	TOTAL	305mm
B300FWBLSSC	0 to 300°F	2°F	TOTAL	305mm

ACCU-SAFE Pocket Thermometers

Closed Case Catalog No.	Open Face Catalog No.	Refill Only *Catalog No.*	Range	Div
BM2012PBLS	BM2012ABLS	B2012BLS	-30 to 120°F	2°F
BM2020PBLS	BM2020ABLS	B2020BLS	-0 to 220°F	2°F
BM2011P8LS	BM2011ABLS	B2011BLS	-5 to 50°C	1°C
BM2015PBLS	BM2015ABLS	B2015BLS	-15 to 105°C	1°C

For Complete Specifications - Accessories - Downloads Please Visit
www.ThermcoProducts.com

GENERAL LABORATORY - Thermometers

General Laboratory Thermometers - *Mercury Filled*

- *Mercury Filled*
- *Non-Roll Fitting*
- *Suspension Ring*
- *Safe-Seal Packs*
- *Permanent Markings*
- *Toughened Bulbs*
- *Yellow and White Back Tubing*
- *Vertical Numerals*
- *Total and Partial Immersion*

Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
B50CY3	-35 to 50°C	1°C	76mm	305mm
B110CY3	-20 to 110°C	1°C	76mm	305mm
B150CY3	-20 to 150°C	1°C	76mm	305mm
B260CY3	-10 to 260°C	1°C	76mm	405mm
B400CY3	-10 to 420°C	1°C	76mm	405mm
B120FY3	-30 to 120°F	1°F	76mm	305mm
B230FY3	0 to 230°F	2°F	76mm	305mm
B300FY3	0 to 300°F	2°F	76mm	305mm
B500FY3	20 to 500°F	2°F	76mm	405mm
B750FY3	20 to 750°F	5°F	76mm	405mm
B110C230FY3	-20 to 110°C 0 to 230°F	1°C 2°F	76mm	305mm
B150C300FY3	-20 to 150°C 0 to 300 °F	1°C 2°F	76mm	305mm
B260C500FW3	-10 to 260°C 20 to 500 °F	1°C 2°F	76mm	405mm

Total Immersion

CATALOG No.	Range	Div.	Immersion	Length
B50CY	-35 to 50°C	1°C	TOTAL	305mm
B110CY	-20 to 110°C	1°C	TOTAL	305mm
B150CY	-20 to 150°C	1°C	TOTAL	305mm
B260CY	-10 to 260°C	1°C	TOTAL	305mm
B400CY	-10 to 400°C	2°C	TOTAL	405mm
B120FY	-30 to 120°F	1°F	TOTAL	305mm
B230FY	0 to 230°F	2°F	TOTAL	305mm
B300FY	0 to 300°F	2°F	TOTAL	305mm
B500FY	20 to 500°F	2°F	TOTAL	405mm
B750FY	20 to 750°F	5°F	TOTAL	405mm
B110C230FY	-20 to 110°C 0 to 230°F	1°C 2°C	TOTAL	305mm
B150C300FY	-20 to 150°C 0 to 300 °F	1°C 2°C	TOTAL	305mm
B260C500FY	-10 to 260°C 20 to 500 °F	1°C 2°C	TOTAL	405mm

General Laboratory Thermometers - *Red Spirit Filled*

- *Non-Roll Fitting*
- *Suspension Ring*
- *Safe-Seal Packs*
- *Permanent Markings*
- *White Back*
- *Vertical Numerals*
- *Total and Partial Immersion*

Partial Immersion

CATALOG No.	Range	Div.	Immersion	Length
B50CW3S	-35 to 50°C	1°C	76mm	305mm
B110CW3S	-20 to 110°C	1°C	76mm	305mm
B150CW3S	-20 to 150°C	1°C	76mm	305mm
B260CW3BLS-16	-10 to 260°C	1°C	76mm	405mm
B120FW3S	-30 to 120°F	1°F	76mm	305mm
B230FW3S	0 to 230°F	2°F	76mm	305mm
B300FW3S	0 to 300°F	2°F	76mm	305mm
B5050CW3S	-50 to 50°C	1°C	76mm	305mm
B10050CW3S	-100 to 50°C	1°C	76mm	305mm

Total Immersion

CATALOG No.	Range	Div.	Immersion	Length
B50CWS	-35 to 50°C	1°C	TOTAL	305mm
B110CWS	-20 to 110°C	1°C	TOTAL	305mm
B150CWS	-20 to 110°C	1°C	TOTAL	305mm
B120FWS	-40 to 120°F	1°F	TOTAL	305mm
B230FWS	0 to 230°F	2°F	TOTAL	305mm
B300FWS	0 to 300°F	2°F	TOTAL	305mm
B5050CWS	-50 to 50°C	1°C	TOTAL	305mm
B10050CWS	-100 to 50°C	1°C	TOTAL	305mm

General Laboratory Thermometers - *Mercury & Red Spirit Filled - Safety Coated*

- *Mercury and Red Spirit Filled*
- *Shatter Proof*
- *Leak Proof*
- *Safety Coating Completely Contains Liquid and Glass When Broken*
- *Alkali Proof*
- *Acid Proof*
- *Vertical Numerals*

Mercury

CATALOG No.	Range	Div.	Immersion	Length
B110CY3SC	-20 to 110°C	1°C	76mm	305mm
B150CY3SC	-20 to 150°C	1°C	76mm	305mm
B200CY3SC	-10 to 200°C	1°C	76mm	305mm
B260CY3SC	-10 to 260°C	1°C	76mm	305mm
B120FY3SC	-30 to 120°F	1°F	76mm	305mm
B230FY3SC	0 to 230°F	2°F	76mm	305mm
B300FY3SC	0 to 300°F	2°F	76mm	305mm
B400FY3SC	20 to 400°F	2°F	76mm	305mm
B50CYSC	-35 to 50°C	1°C	TOTAL	305mm
B110CYSC	-20 to 110°C	1°C	TOTAL	305mm
B150CYSC	-20 to 150°C	1°C	TOTAL	305mm
B260CYSC	-10 to 260°C	1°C	TOTAL	405mm
B120FYSC	-30 to 120°F	1°F	TOTAL	305mm
B230FYSC	0 to 230°F	2°F	TOTAL	305mm
B300FYSC	0 to 300°F	2°F	TOTAL	305mm
B110C230FYSC	-20 to 110°C 0 to 230°F	1°C 2°F	TOTAL	305mm
B150C300FYSC	-20 to 150°C 0 to 300°F	1°C 2°F	TOTAL	305mm
B260C500FYSC	-10 to 260°C 20 to 500 °F	1°C 2°F	TOTAL	405mm

Red Spirit

CATALOG No.	Range	Div.	Immersion	Length
B110CW3SSC	-20 to 100°C	1°C	76mm	305mm
B150CW3SSC	-20 to 150°C	1°C	76mm	305mm
B200CW3SSC	-10 to 200°C	1°C	76mm	305mm
B120FW3SSC	-30 to 120°F	1°F	76mm	305mm
B230FW3SSC	0 to 230°F	2°F	76mm	305mm
B300FW3SSC	0 to 300°F	2°F	76mm	305mm
B400FW3SSC	20 to 400°F	2°F	76mm	305mm
B5050CWSSC	-50 to 50°C	1°C	TOTAL	305mm
B10050CWSSC	-100 to 50°C	1°C	TOTAL	305mm
B5050CWBSSC	-50 to 50°C	1°C	76mm	305mm
B10050CWSSC	-100 to 50°C	1°C	76mm	305mm
B50CWSSC	-35 to 50°C	1°C	TOTAL	305mm
B110CWSSC	-20 to 110°C	1°C	TOTAL	305mm
B150CWSSC	-20 to 110°C	1°C	TOTAL	305mm
B120FWSSC	-30 to 120°F	1°F	TOTAL	305mm
B230FWSSC	0 to 230°F	2°F	TOTAL	305mm
B300FWSSC	0 to 300°F	2°F	TOTAL	305mm

POCKET - Thermomerters

POCKET TEST Thermometers
Clear Plastic Case

CATALOG No.	Range	Div	Length
BCP2012PS	30 to 120°F	1°F	160mm
BCP2014PS	-30 to 120°F	2°F	160mm
BCP2020PS	0 to 220°F	2°F	160mm
BCP2011PS	-35 to 50°C	1°C	160mm
BCP2015PS	-15 to 105°C	1°C	160mm

FEATURES

- *Spirit Filled Thermometer*
- *Case with Pocket Clip*
- *Length: 160mm*
- *Toughened Bulbs*
- *Total Immersion*
- *Thermometer Not Replaceable*

Thermco's Pocket thermometers have a clear plastic case that can be read through or the case can be removed and attached to the top of the thermometer to be used as a protective handle.

TOTE - Thermometer

This precision refrigeration thermometer is encased in a water-tight, shock-proof plastic case and can easily be mounted in a vertical or horizontal orientation. The built-in cylindrical lens allows for an optically widended scale and easy reading.

CATALOG No.	Range	Divisions	Length	Diameter
ACC1482163	-30° to 25°C	0.5°C	200mm (8")	0.75"

FEATURES:

- *Simple mounting by the use of 2 sturdy holders, which themselves are adjustable, depending on the mounting requirements of the refrigerated installation or freezer (see technical drawings).*
- *Position of thermometers may be from vertical to horizontal. (They must not be tilted upside down, however)*
- *Shock-proof plastic case with special resistance against acids, alkali and rooms with aggressive air.*
- *Total impact protection of the liquid-in-glass thermometer because of compact mounting. Water-tight, thus also usable in open-air installations.*
- *Easy reading and optically widened scale because of built-in cylindrical lens . Hard to break even when handled roughly.*
- *Acid- and alkali- resident graduation and lettering of scale, which forms and integral part of the glass and is practically indelible.*
- *Constantly high accuracy of temperature indication and durability because of aging.*
- *Temperature indication is effected without use of further devices or energy sources, which makes the instrument wear resistant.*

THERMOMETER - Accessories

Magn-O-Fier

- *Allows Precise Readings from a Distance*
- *Magnifies 2 1/2 Times*
- *The Hide-a-Line Eliminates Parallax*
- *Fastens to any Thermometer 5 to 9mm OD.*
- *Slides Up and Down Stem*

CATALOG No.
ACCTM

Stainless Thermometer Holder with Clip

- *Holder has 5 Holes of Assorted Diameters*
- *Holds Thermometers,Test Tubes, Electrodes, etc.*
- *Stainless Steel Clip and Platform with Rubber Pads*

CATALOG No.
ACCTH1000

Thermometer Anti-Rool Sleve

- *Mold Polypropylene*
- *Slides Onto Thermometer*
- *Fits Thermometers 5 to 11mm O.D.*

CATALOG No.	
NR100-10	10 Sleves
NR100-25	25 Sleves

Thermometer Rack

Safely Holds Up to 25 Thermometers

This polypropylene rack holds up to 25 thermometers in a safe vertical position to avoid damage while drying. Hole diameters in the top and middle plates are 7.9mm (5/16") while the bottom plate has only. 3.2mm (1/8") diameter drain holes.
The distance between top and bottom plates is 105mm (4⅛").
Overall dimensions are: 149 x 213 x 251 mm
(5⅞" x 8⅜" x 9⅞")
Steam autoclavable at 121°C (250°F).

CATALOG No.
ACCTR100

Thermometer Storage Cases

- *Felt-Lined Leatherette Exterior*
- *Snap Closure*
- *Several Single Case Sizes*
- *9 Place Case*

CATALOG No.	Thermometer Length	Thermometers Per Case
87006	Up to 12"	1
87008	Up to 18"	1
87009	Up to 24"	1
87010	Up to 16"	9

PETROLEUM GOLD BRAND - Hydrometers

Precision ASTM / API Hydrometers

Thermco's Petroleum Gold Brand Hydrometers are a superior brand of high precision hydrometers calibrated to the highest standard that exceeds the exacting ASTM standards.

Made from the finest materials available; the glass is free from imperfections, has the suitable thermal properties for the entire temperature range that would be subjected and resists any reactions from chemical agents.

Each hydrometer has been calibrated against NIST standards and furnished with a NIST traceable certificate.

All hydrometers conform to or exceed all specifications set forth in the ASTM "Annual Book of ASTM Standards", Section 14, Volume 14.03, Designation E 100-05.

Plain Form

CATALOG No.	ASTM No.	API Range	Divisions
330 mm Length			
ACC001H	ASTM 1H	-1 to 11º	0.1º
ACC002H	ASTM 2H	9 to 21º	0.1º
ACC003H	ASTM 3H	19 to 31º	0.1º
ACC004H	ASTM 4H	29 to 41º	0.1º
ACC005H	ASTM 5H	39 to 51º	0.1º
ACC006H	ASTM 6H	49 to 61º	0.1º
ACC007H	ASTM 7H	59 to 71º	0.1º
ACC008H	ASTM 8H	69 to 81º	0.1º
ACC009H	ASTM 9H	79 to 91º	0.1º
ACC010H	ASTM 10H	89 to 101º	0.1º
163 mm Length			
ACC021H	ASTM 21H	0 to 6º	0.1º
ACC022H	ASTM 22H	5 to 11º	0.1º
ACC023H	ASTM 23H	10 to 16º	0.1º
ACC024H	ASTM 24H	15 to 21º	0.1º
ACC025H	ASTM 25H	20 to 36º	0.1º
ACC026H	ASTM 26H	25 to 31º	0.1º
ACC027H	ASTM 27H	30 to 36º	0.1º
ACC028H	ASTM 28H	35 to 41º	0.1º
ACC029H	ASTM 29H	40 to 46º	0.1º
ACC030H	ASTM 30H	45 to 51º	0.1º
ACC031H	ASTM 31H	50 to 56º	0.1º
ACC032H	ASTM 32H	55 to 61º	0.1º
ACC033H	ASTM 33H	60 to 66º	0.1º
ACC034H	ASTM 34H	65 to 71º	0.1º
ACC035H	ASTM 35H	70 to 76º	0.1º
ACC036H	ASTM 36H	75 to 81º	0.1º
ACC037H	ASTM 37H	80 to 86º	0.1º
ACC038H	ASTM 38H	85 to 91º	0.1º
ACC039H	ASTM 39H	90 to 96º	0.1º
ACC040H	ASTM 40H	95 to 101º	0.1º

Combined In Body

CATALOG No.	ASTM No.	API Range	Divisions
0 / 150ºF Thermometer 380 mm Length			
ACC041HL	ASTM 41HL	15 to 23º	0.1º
ACC042HL	ASTM 42HL	22 to 30º	0.1º
ACC043HL	ASTM 43HL	29 to 37º	0.1º
ACC044HL	ASTM 44HL	36 to 44º	0.1º
ACC045HL	ASTM 45HL	43 to 51º	0.1º
ACC051HL	ASTM 51HL	1 to 11º	0.1º
ACC052HL	ASTM 52HL	9 to 21º	0.1º
ACC053HL	ASTM 53HL	19 to 31º	0.1º
ACC054HL	ASTM 54HL	29 to 41º	0.1º
ACC055HL	ASTM 55HL	39 to 51º	0.1º
ACC056HL	ASTM 56HL	49 to 61º	0.1º
ACC057HL	ASTM 57HL	59 to 71º	0.1º
ACC058HL	ASTM 58HL	69 to 81º	0.1º
ACC059HL	ASTM 59HL	79 to 91º	0.1º
ACC060HL	ASTM 60HL	89 to 101º	0.1º

Combined In Body... cont.

CATALOG No.	ASTM No.	API Range	Divisions
+30 / 180ºF Thermometer 380 mm Length			
ACC041HM	ASTM 41HM	15 to 23º	0.1º
ACC042HM	ASTM 42HM	22 to 30º	0.1º
ACC043HM	ASTM 43HM	29 to 37º	0.1º
ACC044HM	ASTM 44HM	36 to 44º	0.1º
ACC045HM	ASTM 45HM	43 to 51º	0.1º
ACC051HM	ASTM 51HM	1 to 11º	0.1º
ACC052HM	ASTM 52HM	9 to 21º	0.1º
ACC053HM	ASTM 53HM	19 to 31º	0.1º
ACC054HM	ASTM 54HM	29 to 41º	0.1º
ACC055HM	ASTM 55HM	39 to 51º	0.1º
ACC056HM	ASTM 56HM	49 to 61º	0.1º
ACC057HM	ASTM 57HM	59 to 71º	0.1º
ACC058HM	ASTM 58HM	69 to 81º	0.1º
ACC059HM	ASTM 59HM	79 to 91º	0.1º
ACC060HM	ASTM 60HM	89 to 101º	0.1º
+60 / 220ºF Thermometer 380 mm Length			
ACC041HH	ASTM 41HH	15 to 23º	0.1º
ACC042HH	ASTM 42HH	22 to 30º	0.1º
ACC043HH	ASTM 43HH	29 to 37º	0.1º
ACC044HH	ASTM 44HH	36 to 44º	0.1º
ACC045HH	ASTM 45HH	43 to 51º	0.1º
ACC051HH	ASTM 51HH	1 to 11º	0.1º
ACC052HH	ASTM 52HH	9 to 21º	0.1º
ACC053HH	ASTM 53HH	19 to 31º	0.1º
ACC054HH	ASTM 54HH	29 to 41º	0.1º
ACC055HH	ASTM 55HH	39 to 51º	0.1º
ACC056HH	ASTM 56HH	49 to 61º	0.1º
ACC057HH	ASTM 57HH	59 to 71º	0.1º
ACC058HH	ASTM 58HH	69 to 81º	0.1º
ACC059HH	ASTM 59HH	79 to 91º	0.1º
ACC060HH	ASTM 60HH	89 to 101º	0.1º
+30 /220ºF Thermometer 380 mm Length			
ACC071H	ASTM 71H	1 to 11º	0.1º
ACC072H	ASTM 72H	9 to 21º	0.1º
ACC073H	ASTM 73H	19 to 31º	0.1º
ACC074H	ASTM 74H	29 to 41º	0.1º
+30/90ºF Thermometer 380mm Length			
ACC101H	ASTM 101H	0.500 to 0.650º	0.001º

Hydrometer Catalog No. with the following suffixs

HL Thermometer scale = 0/150°F

HM Thermometer Scale = 30/180°FW

HH Thermometer scale = 60/220°F

PLASTIC - Hydrometers

Thermco's Plastic Hydrometers are fabricated from polycarbonate (PC) which makes the instrument shatter-proof, while offering glass-like clarity for ease of reading.

All models are plain form, so a separate thermometer should be used to measure the temperature of the sample and correct for any temperature variations.

Temperature standard is 60º F,
Length 300 mm.
The plastic hydrometers are made for... Specific Gravity, Salt-Brine , Baume, Sugar Brix scales.

FEATURES:

- *Fabricated from Polycarbonate*
- *Lead-Free Ballast*
- *Shatter Proof*
- *Glass-Like Clarity*
- *Calibrated against NIST Standards*
- *May be Certified - Traceable to NIST*
- *Temperature Standard 60º F*
- *Approximately 300mm Long*

Food Processing

In the processing, salt and sugar content in brines must be measured and the plastic hydrometers allows the measurements to be done in the plant. Previously, a sample had to be taken to the laboratory for the measurement to take place which slowed down the production. Glass hydrometers are not allowed in a the processing environment.

Sugar / Salt Manufacturing Plants

Salt and sugar brines are made for the food processing plants and QC/QA test must be performed before shipments and it is easier to gauge the amount of salt and sugar content in the brines being shipped

Lead-Free Ballast

PLASTIC - Hydrometers

Specific Gravity

CATALOG No.	Range	Divisions	Length
For Liquids Heavier Than Water			
ACC8540PC	1.000 to 1.220	0.002	300mm
ACC8541PC	1.200 to 1.420	0.002	300mm
ACC8542PC	1.400 to 1.620	0.002	300mm

Salt Brine, Sodium Chloride

CATALOG No.	Range	Divisions	Length
Percent Saturation Of Salt			
ACC8511PC	0 to 100%	1.0	300mm
Percent Of Salt By Weight			
ACC85112PC	0 to 26.5%	0.5	300mm

Baume

CATALOG No.	Range	Divisions	Length
For Liquids Heavier Than Water			
ACC8525PC	0 to 25º	0.2º	300mm
ACC8501PC	0 to 12º	0.2º	250mm
ACC8502PC	9 to 21º	0.2º	250mm
ACC8503PC	19 to 31º	0.2º	250mm
New Models			
ACC8504PC	29 to 41º	0.2º	250mm
ACC8505PC	39 to 51º	0.2º	250mm
ACC8506PC	49 to 61º	0.2º	250mm
ACC8507PC	59 to 71º	0.2º	250mm

Sugar , Brix

CATALOG No.	Range	Divisions	Length
Temperature Standard 20ºc			
ACC8523PC	0 to 35%	0.5	285mm
ACC8595PC	0 TO 50%	0.5	285mm
New Models			
ACC8515PC	0 to 15%	0.2	285mm
ACC8530PC	15 TO 30%	0.2	285mm
ACC8545PC	30 to 45%	0.2	285mm
ACC8560PC	45 TO 60%	0.2	285mm
ACC8575PC	60 to 75%	0.2	285mm
ACC8590PC	75 TO 90%	0.2	285mm

ASTM / API Hydrometers

Plain Form

CATALOG No.	ASTM No.	API Range	Divisions
330 mm Length			
GW001H	ASTM 1H	-1 to 11º	0.1º
GW002H	ASTM 2H	9 to 21º	0.1º
GW003H	ASTM 3H	19 to 31º	0.1º
GW004H	ASTM 4H	29 to 41º	0.1º
GW005H	ASTM 5H	39 to 51º	0.1º
GW006H	ASTM 6H	49 to 61º	0.1º
GW007H	ASTM 7H	59 to 71º	0.1º
GW008H	ASTM 8H	69 to 81º	0.1º
GW009H	ASTM 9H	79 to 91º	0.1º
GW010H	ASTM 10H	89 to 101º	0.1º
163 mm Length			
GW021H	ASTM 21H	0 to 6º	0.1º
GW022H	ASTM 22H	5 to 11º	0.1º
GW023H	ASTM 23H	10 to 16º	0.1º
GW024H	ASTM 24H	15 to 21º	0.1º
GW025H	ASTM 25H	20 to 26º	0.1º
GW026H	ASTM 26H	25 to 31º	0.1º
GW027H	ASTM 27H	30 to 36º	0.1º
GW028H	ASTM 28H	35 to 41º	0.1º
GW029H	ASTM 29H	40 to 46º	0.1º
GW030H	ASTM 30H	45 to 51º	0.1º
GW031H	ASTM 31H	50 to 56º	0.1º
GW032H	ASTM 32H	55 to 61º	0.1º
GW033H	ASTM 33H	60 to 66º	0.1º
GW034H	ASTM 34H	65 to 71º	0.1º
GW035H	ASTM 35H	70 to 76º	0.1º
GW036H	ASTM 36H	75 to 81º	0.1º
GW037H	ASTM 37H	80 to 86º	0.1º
GW038H	ASTM 38H	85 to 91º	0.1º
GW039H	ASTM 39H	90 to 96º	0.1º

ASTM / API COMBINED IN STEM

CATALOG No.	ASTM No.	API Range	Divisions
+30 / 220ºF Thermometer 380 mm Length			
GW071H	ASTM 71H	1 to 11º	0.1º
GW072H	ASTM 72H	9 to 21º	0.1º
GW073H	ASTM 73H	19 to 31º	0.1º
GW074H	ASTM 74H	29 to 41º	0.1º

ASTM LPG COMBINED IN BODY

CATALOG No.	ASTM No.	API Range	Divisions
+30 / 90ºF Thermometer 380mm Length			
GW101H	ASTM 101H	0.50 to 0.65º	0.001º

ASTM / API Hydrometers

Combined In Body

CATALOG No.	ASTM No.	API Range	Divisions
0 / 150ºF Thermometer 380 mm Length			
GW041HL	ASTM 41HL	15 to 23º	0.1º
GW042HL	ASTM 42HL	22 to 30º	0.1º
GW043HL	ASTM 43HL	29 to 37º	0.1º
GW044HL	ASTM 44HL	36 to 44º	0.1º
GW045HL	ASTM 45HL	43 to 51º	0.1º
GW051HL	ASTM 51HL	1 to 11º	0.1º
GW052HL	ASTM 52HL	9 to 21º	0.1º
GW053HL	ASTM 53HL	19 to 31º	0.1º
GW054HL	ASTM 54HL	29 to 41º	0.1º
GW055HL	ASTM 55HL	39 to 51º	0.1º
GW056HL	ASTM 56HL	49 to 61º	0.1º
GW057HL	ASTM 57HL	59 to 71º	0.1º
GW058HL	ASTM 58HL	69 to 81º	0.1º
GW059HL	ASTM 59HL	79 to 91º	0.1º
GW060HL	ASTM 60HL	89 to 101º	0.1º
+30 / 180ºF Thermometer 380 mm Length			
GW041HM	ASTM 41HM	15 to 23º	0.1º
GW042HM	ASTM 42HM	22 to 30º	0.1º
GW043HM	ASTM 43HM	29 to 37º	0.1º
GW044HM	ASTM 44HM	36 to 44º	0.1º
GW045HM	ASTM 45HM	43 to 51º	0.1º
GW051HM	ASTM 51HM	1 to 11º	0.1º
GW052HM	ASTM 52HM	9 to 21º	0.1º
GW053HM	ASTM 53HM	19 to 31º	0.1º
GW054HM	ASTM 54HM	29 to 41º	0.1º
GW055HM	ASTM 55HM	39 to 51º	0.1º
GW056HM	ASTM 56HM	49 to 61º	0.1º
GW057HM	ASTM 57HM	59 to 71º	0.1º
GW058HM	ASTM 58HM	69 to 81º	0.1º
GW059HM	ASTM 59HM	79 to 91º	0.1º
GW060HM	ASTM 60HM	89 to 101º	0.1º
+60 / 220ºF Thermometer 380 mm Length			
GW041HH	ASTM 41HH	15 to 23º	0.1º
GW042HH	ASTM 42HH	22 to 30º	0.1º
GW043HH	ASTM 43HH	29 to 37º	0.1º
GW044HH	ASTM 44HH	36 to 44º	0.1º
GW045HH	ASTM 45HH	43 to 51º	0.1º
GW051HH	ASTM 51HH	1 to 11º	0.1º
GW052HH	ASTM 52HH	9 to 21º	0.1º
GW053HH	ASTM 53HH	19 to 31º	0.1º
GW054HH	ASTM 54HH	29 to 41º	0.1º
GW055HH	ASTM 55HH	39 to 51º	0.1º
GW056HH	ASTM 56HH	49 to 61º	0.1º
GW057HH	ASTM 57HH	59 to 71º	0.1º
GW058HH	ASTM 58HH	69 to 81º	0.1º
GW059HH	ASTM 59HH	79 to 91º	0.1º
GW060HH	ASTM 60HH	89 to 101º	0.1º

API - Hydrometers

Plain Form

CATALOG No.	API Range	Divisions
6" Length		
GW2500	10 to 45	1.0
GW2501	-1 to 11	0.2
GW2502	9 to 21	0.2
GW2503	19 to 31	0.2
GW2504	29 to 41	0.2
GW2505	39 to 51	0.2
GW2506	49 to 61	0.2
GW2507	59 to 71	0.2
GW2508	69 to 81	0.2
GW2509	79 to 91	0.2

Combined In Body

CATALOG No.	API Range	Divisions
0 to 150ºF Thermometer 7.5" Length		
GW2500C	**10 to 45**	1.0
GW2501C	**-1 to 11**	0.2
GW2502C	**9 to 21**	0.2
GW2503C	**19 to 31**	0.2
GW2504C	**29 to 41**	0.2
GW2505C	**39 to 51**	0.2
GW2506C	**49 to 61**	0.2
GW2507C	**59 to 71**	0.2
GW2508C	**69 to 81**	0.2
GW2509C	**79 to 91**	0.2
+20 to 130ºF Thermometer 7.5" Length		
GW5000	10 to 45	1.0
GW5001	45 to 90	1.0
GW5002	10 to 30	0.5
GW5003	20 to 40	0.5
GW5004	30 to 50	0.5
GW5005	40 to 60	0.5
GW5006	50 to 70	0.5
GW5007	60 to 80	0.5
GW5008	70 to 90	0.5
GW5009	80 to 100	0.5
0 to 150ºF Thermometer 15" Length		
GW6000	10 to 45	0.5
GW6001	45 to 90	0.5
GW6002	10 to 30	0.2
GW6003	20 to 40	0.2
GW6004	30 to 50	0.2
GW6005	40 to 60	0.2
GW6006	50 to 70	0.2
GW6007	60 to 80	0.2
GW6008	70 to 90	0.2
GW6009	80 to 100	0.2

ASTM Specific Gravity / Density / Soil Analysis Hydrometers

ASTM Specific Gravity

Plain Form

CATALOG No.	ASTM No.	SG Range	Divisions
330mm Length			
GW082H	ASTM 82H	0.650 to 0.700	0.0005
GW083H	ASTM 83H	0.700 to 0.750	0.0005
GW084H	ASTM 84H	0.750 to 0.800	0.0005
GW085H	ASTM 85H	0.800 to 0.850	0.0005
GW086H	ASTM 86H	0.850 to 0.900	0.0005
GW087H	ASTM 87H	0.900 to 0.950	0.0005
GW088H	ASTM 88H	0.950 to 1.000	0.0005
GW089H	ASTM 89H	1.000 to 1.050	0.0005
GW090H	ASTM 90H	1.050 to 1.100	0.0005
GW111H	ASTM 111H	1.000 to 1.050	0.0005
GW112H	ASTM 112H	1.050 to 1.100	0.0005
GW113H	ASTM 113H	1.100 to 1.150	0.0005
GW114H	ASTM 114H	1.150 to 1.200	0.0005
GW115H	ASTM 115H	1.200 to 1.250	0.0005
GW116H	ASTM 116H	1.250 to 1.300	0.0005
GW117H	ASTM 117H	1.300 to 1.350	0.0005
GW118H	ASTM 118H	1.350 to 1.400	0.0005
GW119H	ASTM 119H	1.400 to 1.450	0.0005
GW120H	ASTM 120H	1.450 to 1.500	0.0005
260mm Length			
GW102H	ASTM 102H	0.650 to 0.700	0.001
GW103H	ASTM 103H	0.700 to 0.750	0.001
GW104H	ASTM 104H	0.750 to 0.800	0.001
GW105H	ASTM 105H	0.800 to 0.850	0.001
GW106H	ASTM 106H	0.850 to 0.900	0.001
GW107H	ASTM 107H	0.900 to 0.950	0.001
GW108H	ASTM 108H	0.950 to 1.000	0.001
GW125H	ASTM 125H	1.000 to 1.050	0.001
GW126H	ASTM 126H	1.050 to 1.100	0.001
GW127H	ASTM 127H	1.100 to 1.150	0.001
GW128H	ASTM 128H	1.150 to 1.200	0.001
GW129H	ASTM 129H	1.200 to 1.250	0.001
GW130H	ASTM 130H	1.250 to 1.300	0.001
GW131H	ASTM 131H	1.300 to 1.350	0.001
GW132H	ASTM 132H	1.350 to 1.400	0.001
GW133H	ASTM 133H	1.400 to 1.450	0.001
GW134H	ASTM 134H	1.450 to 1.500	0.001
GW135H	ASTM 135H	1.500 to 1.550	0.001
GW136H	ASTM 136H	1.550 to 1.600	0.001
GW137H	ASTM 137H	1.600 to 1.650	0.001
GW138H	ASTM 138H	1.650 to 1.700	0.001
GW139H	ASTM 139H	1.700 to 1.750	0.001
GW140H	ASTM 140H	1.750 to 1.800	0.001
GW141H	ASTM 141H	1.800 to 1.850	0.001

ASTM Density

Plain Form

CATALOG No.	ASTM No.	Range	Divisions
330mm Length			
GW311H	ASTM 311H	600 to 650	0.5
GW312H	ASTM 312H	650 to 700	0.5
GW313H	ASTM313H	700 to 750	0.5
GW314H	ASTM 314H	750 to 800	0.5
GW315H	ASTM 315H	800 to 850	0.5
GW316H	ASTM 316H	850 to 900	0.5
GW317H	ASTM 317H	900 to 950	0.5
GW318H	ASTM 318H	950 to 1000	0.5
GW319H	ASTM 319H	1000 to 1050	0.5
GW320H	ASTM 320H	1050 to 1100	0.5

Combined In Body

CATALOG No.	ASTM No.	Range	Divisions
20 / 65ºC Thermometer 330mm Length			
GW300H	ASTM 300H	600 to 650	0.5
GW301H	ASTM 301H	650 to 700	0.5
GW302H	ASTM302H	700 to 750	0.5
GW303H	ASTM 303H	750 to 800	0.5
GW304H	ASTM 304H	800 to 850	0.5
GW305H	ASTM 305H	850 to 900	0.5
GW306H	ASTM 306H	900 to 950	0.5
GW307H	ASTM 307H	950 to 1000	0.5
GW308H	ASTM 308H	1000 to 1050	0.5
GW309H	ASTM 309H	1050 to 1100	0.5
GW310H	ASTM 310H	500 to 650	1.0

ASTM Soil Analysis Hydrometers 280mm Long

CATALOG No.	ASTM No.	Range	Divisions	Temp of Standard	Test
GW151H	ASTM 151H	0.995 to 1.038	0.001°	68°/ 68°F	Specific Gravity
GW152H	ASTM 152H	-5 to 60 grams	1.0°	68°	Grams of Soil Colloids

SPECIFIC GRAVITY - Hydrometers

SPECIFIC GRAVITY - Hydrometers

Plain Form

CATALOG No.	Specific Gravity Range	Divisions
150mm Length		
GW2536	0.700 to 0.800	0.002
GW2537	0.800 to 0.900	0.002
GW2538	0.900 to 1.000	0.002
GW2539	0.700 to 1.000	0.002
GW2548	1.000 to 1.225	0.005
GW2549	1.200 to 1.425	0.005
GW2550	1.400 to 1.625	0.005
GW2551	1.600 to 1.825	0.005
GW2552	1.800 to 2.000	0.005
GW2552A	1.000 to 2.000	0.010
GW2553X	0.590 to 0.660	0.001
GW2554X	0.640 to 0.710	0.001
GW2555X	0.700 to 0.770	0.001
GW2556X	0.760 to 0.830	0.001
GW2557X	0.820 to 0.890	0.001
GW2558X	0.880 to 0.950	0.001
GW2559X	0.940 to 1.010	0.001
GW2560X	1.000 to 1.070	0.001
GW2561X	1.060 to 1.130	0.001
GW2562X	1.120 to 1.190	0.001
GW2563X	1.180 to 1.250	0.001
GW2564X	1.240 to 1.310	0.001
GW2565X	1.300 to 1.370	0.001
GW2566X	1.360 to 1.430	0.001
GW2567X	1.420 to 1.490	0.001
GW2568X	1.480 to 1.550	0.001
GW2569X	1.540 to 1.610	0.001
GW2570X	1.600 to 1.670	0.001
GW2571X	1.660 to 1.730	0.001
GW2572X	1.720 to 1.790	0.001
GW2573X	1.780 to 1.850	0.001
GW2574X	1.840 to 1.920	0.001
300mm Length		
GW2532	0.695 to 0.810	0.001
GW2533	0.795 to 0.910	0.001
GW2534	0.895 to 1.000	0.001
GW2535	0.650 to 1.000	0.005
GW2540	1.000 to 1.220	0.002
GW2541	1.200 to 1.420	0.002
GW2542	1.400 to 1.620	0.002
GW2543	1.600 to 1.820	0.002
GW2544	1.800 to 2.000	0.002
GW2545	1.000 to 2.000	0.010
GW2546	1.000 to 1.600	0.005
GW2547	1.500 to 2.000	0.005

Plain Form... cont.

CATALOG No.	Specific Gravity Range	Divisions
325mm Length		
GW2553	0.590 to 0.660	0.0005
GW2554	0.640 to 0.710	0.0005
GW2555	0.700 to 0.770	0.0005
GW2556	0.760 to 0.830	0.0005
GW2557	0.820 to 0.890	0.0005
GW2558	0.880 to 0.950	0.0005
GW2559	0.940 to 1.010	0.0005
GW2560	1.000 to 1.070	0.0005
GW2561	1.060 to 1.130	0.0005
GW2562	1.120 to 1.190	0.0005
GW2563	1.180 to 1.250	0.0005
GW2564	1.240 to 1.310	0.0005
GW2565	1.300 to 1.370	0.0005
GW2566	1.360 to 1.430	0.0005
GW2567	1.420 to 1.490	0.0005
GW2568	1.480 to 1.550	0.0005
GW2569	1.540 to 1.610	0.0005
GW2570	1.600 to 1.670	0.0005
GW2571	1.660 to 1.730	0.0005
GW2572	1.720 to 1.790	0.0005
GW2573	1.780 to 1.850	0.0005
GW2574	1.840 to 1.920	0.0005

Combined In Body

CATALOG No.	Specific Gravity Range	Divisions
20 / 120°F Thermometer 380mm Length		
GW2532C	0.695 to 0.810	0.001
GW2533C	0.795 to 0.910	0.001
GW2534C	0.895 to 1.000	0.001
GW2535C	0.650 to 1.000	0.005
GW2540C	1.000 to 1.220	0.002
GW2541C	1.200 to 1.420	0.002
GW2542C	1.400 to 1.620	0.002
GW2543C	1.600 to 1.820	0.002
GW2544C	1.800 to 2.000	0.002
GW2545C	1.000 to 2.000	0.010
GW2546C	1.000 to 1.600	0.005
GW2547C	1.500 to 2.000	0.005

SPECIFIC GRAVITY Hydrometer Set

8 PLAIN FORM HYDROMETERS 300mm Length

CATALOG No.	Specific Gravity Range	Divisions
GW3244SET	0.700 to 2.000 set	see below
Hydrometer 1	0.700 to 0.810	0.001
Hydrometer 2	0.800 to 0.910	0.001
Hydrometer 3	0.895 to 1.000	0.001
Hydrometer 4	1.000 to 1.220	0.002
Hydrometer 5	1.200 to 1.420	0.002
Hydrometer 6	1.400 to 1.620	0.002
Hydrometer 7	1.600 to 1.820	0.002
Hydrometer 8	1.800 to 2.000	0.002

SPECIFIC GRAVITY & BAUME Hydrometers

DUAL SCALE -
Specific Gravity & Baume Hydrometers

Plain Form

CATALOG No.	Specific Gravity Range	Specific Gravity Divisions	Baume Range	Baume Divisions
300mm Length				
GW2532DS	0.700 to 0.810	0.001	70 to 42	0.2
GW2533DS	0.800 to 0.910	0.001	45 to 25	0.2
GW2535DS	0.600 to 1.000	0.005	100 to 10	1
GW2540DS	1.000 to 1.220	0.002	0 to 26	0.2
GW2541DS	1.200 to 1.420	0.002	24 to 43	0.2
GW2542DS	1.400 to 1.620	0.002	42 to 55	0.2
GW2543DS	1.600 to 1.820	0.002	54 to 65	0.2
GW2544DS	1.800 to 2.000	0.002	64 to 72	0.2
GW2545DS	1.000 to 2.000	0.01	0 to 72	1
GW2546DS	1.000 to 1.600	0.005	0 to 55	0.5
GW2547DS	1.400 to 2.000	0.005	40 to 72	0.5
150mm Length				
GW2536DS	0.700 to 0.800	0.002	70 to 43	0.5
GW2537DS	0.800 to 0.900	0.002	45 to 24	0.5
GW2538DS	0.900 to 1.000	0.002	25 to 10	0.5
GW2539DS	7.000 to 1.000	0.01	70 to 10	1
GW2545ADS	1.000 to 2.000	0.02	0 to 72	0.5
GW2548DS	1.000 to 1.220	0.005	0 to 26	0.5
GW4549DS	1.200 to 1.420	0.005	24 to 42	0.5
GW2549XDS	1.000 to 1.400	0.01	0 to 41	0.5
GW2550DS	1.400 to 1.620	0.005	42 to 55	0.5
GW2550XDS	1.400 to 2.000	0.01	41 to 72	0.5
GW2551DS	1.600 to 1.820	0.005	54 to 65	0.5
GW2552DS	1.800 to 2.000	0.005	64 to 72	0.5

UNIVERSAL DUAL SCALE -
Specific Gravity & Baume Hydometer

Plain Form

CATALOG No.	Specific Gravity Range	Specific Gravity Divisions	Baume Range	Baume Divisions
GW7200	0.700 to 2.000	0.05	70 to 10 Light	1

BAUME - Hydrometers

- *Calibrated for Liquids Heavier than Water*
- *Temperature Standard 15.6/ 15.6°C (60/ 60°F)*
- *Suitable for Certification*

Plain Form

CATALOG No.	Range	Divisions
300mm Length		
GW2575	0 to 12°	0.1°
GW2576	9 to 21°	0.1°
GW2577	19 to 31°	0.1°
GW2578	29 to 41°	0.1°
GW2579	39 to 51°	0.1°
GW2580	49 to 61°	0.1°
GW2581	59 to 71°	0.1°
GW2582	0 to 35°	0.1°
GW2583	35 to 70°	0.5°
GW2584	0 to 50°	0.1°
GW2585	0 to 70°	0.1°
GW2765	60 to 100°	0.5°
GW2767	0 to 25°	0.5°
150mm Length		
GW2575X	0 to 12°	0.2°
GW2576X	9 to 21°	0.2°
GW2577X	19 to 31°	0.2°
GW2578X	29 to 41°	0.2°
GW2579X	39 to 51°	0.2°
GW2580X	49 to 61°	0.2°
GW2581X	59 to 71°	0.2°
GW4075	0 to 70°	1.0°

SALT BRINE - Hydrometers

- *Salt Brine Hydrometers (Salometers) Measure the Saturation of Salt in an Aqueous Solution*
- *Standard Temperature 60'F/60°F*
- *Suitable for Certification*

CATALOG No.	Range	Divisions
Sodium Chloride		
GW2511	0 to 100%	1°
GW251108	9 to 17%	0.1°
Sodium Chloride % By Weight		
GW2511X	0 to 26.5%	0.5°
Calcium Chloride		
GW2590	0 to 120%	1°

BALLING - Hydrometers

- *Balling Hydrometers Measure Sugar Content of Beer and Wort*
- *Combined Form with Thermometers and Temperature Correction Scales in the Body*
- *Tolerance is 0.1%*
- *Standard Temperature 17.5°C and 14'R*
- *Suitable for Certification*

Combined Form

CATALOG No.	Range	Divisions	Length
0 / 50°C Thermometer			
GW2512C	0 to 8.5°	0.1°	14"
GW2513C	7.5 to 16°	0.1°	14"
GW2514C	15.5 to 24°	0.1°	14"

Special Application Hydrometers

ALCOHOL - Hydrometers

Dual Scale - Proof and Tralle

- *Proof Scale measures the...*
  Percent Alcohol by Volume Multiplied by 2
- *Tralle Scale Measures the...*
  Percent of Alcohol by Weight in Water
- *Internal Revenue Specification Proof Scales*
- *Suitable for Certification*

CATALOG No.	Tralle Scale	Division	Proof Range	Division
Plain Form - 300mm Length				
GW2510	0 to 100%	1%	0 to 200%	2%
Combined Form - 10 / 100ºF Thermometer 330mm Length - Spirit Filled				
GW2510C	0 to 100%	1%	0 to 200%	2%

IRS Specification Proof Scales

Plain Form - Cal @ 60ºF

CATALOG No.	I.R.S. Size	Proof Range	Subdivision	Length
GW2601	F	0 to 20%	0.2%	305mm
GW2602	G	20 to 40%	0.2%	305mm
GW2603	H	40 to 60%	0.2%	305mm
GW2604	I	60 to 80%	0.2%	305mm
GW2605	K	75 to 95%	0.2%	305mm
GW2606	L	90 to 110%	0.2%	305mm
GW2607	M	105 to 125%	0.2%	305mm
GW2608	N	125 to 145%	0.2%	305mm
GW2609	P	145 to 165%	0.2%	305mm
GW2610	Q	165 to 185%	0.2%	305mm
GW2611	R	185 to 205%	0.2%	305mm
GW2612	A	0 to 100%	1%	230mm
GW2613	B	80 to 120%	0.5%	230mm
GW2614	C	100 to 140%	0.5%	230mm
GW2615	D	130 to 170%	0.5%	230mm
GW2616	E	160 to 206%	0.5%	230mm

LACTOMETER, QUEVENNE - Hydrometers

- *Graduated in Specific Gravity and Degrees Quevenne*
- *For Whole or Skim Milk*
- *Temperature Standard 60°F/ 60°F*
- *Thermometer in Hydrometer Stem - Range 20 to 100'F*
- *Suitable for Certification*

Combined Form

CATALOG No.	Range	Divisions	Length
GW9500	14 TO 42° Quevenne 1.014 TO 1.042 S/G	1.0° 0.001°	330mm

PROPYLENE GLYCOL - Hydrometer

- *Graduated in Specific Gravity and Percent by Weight*
- *Temperature Standard 60°F/60°F*
- *Suitable for Certification*

CATALOG No.	Range	Divisions	Length
GW9000	0.990 to 1.050% S/G 0 to 60%	0.002% 1.0%	305mm

BRIX - Hydrometers

(% Sugar In Aqueous Solution)

Plain Form - Cal @ 20ºC

CATALOG No.	Brix Range	Divisions
300mm Length		
GW2740	-5 to +5º	0.1º
GW2741	5 to +15º	0.1º
GW2742	0 to 6º	0.1º
GW2743	6 to 12º	0.1º
GW2516	0 to 12º	0.1º
GW2517	9 to 21º	0.1º
GW2518	19 to 31º	0.1º
GW2519	29 to 41º	0.1º
GW2520	39 to 51º	0.1º
GW2521	49 to 61º	0.1º
GW2522	59 to 71º	0.1º
GW2522X	69 to 81º	0.1º
GW2523	0 to 35º	0.5º
GW2524	35 to 70º	0.5º

Combined Form - Cal @ 20ºC

CATALOG No.	Brix Range	Divisions
0 / 50ºC Thermometer 320mm Length - Spirit Filled		
GW2740C	-5 to +5º	0.1º
GW2741C	5 to +15º	0.1º
GW2742C	0 to 6º	0.1º
GW2743C	6 to 12º	0.1º
GW2516C	0 to 12º	0.1º
GW2517C	9 to 21º	0.1º
GW2518C	19 to 31º	0.1º
GW2519C	29 to 41º	0.1º
GW2520C	39 to 51º	0.1º
GW2521C	49 to 61º	0.1º
GW2522C	59 to 71º	0.1º
GW2522XC	69 to 81º	0.1º
GW2523C	0 to 35º	0.5º
GW2524C	35 to 70º	0.5º

Hydrometer Accessories

Hydrometer Racks

Safe Storage for Glass Hydrometers

Protect fragile glass hydrometers by storing them in this18-place polypropylene rack.
The middle and top plates have 25mm (1") diameter holes.
The bottom plates 44mm (1¾") high and has wells tapering from 25mm to 9mm (1 to 3/8") to hold the hydrometer bulb.
The base is 210 x 216mm (8¼" X 8½") for tip-proof stability.
Overall height 251mm (9⅞") with handles. Steam autoclavable at 121°C (250°F).

CATALOG No.	
ACCHR7	For Long Hydrometers Top plate is 178mm H (7" H)
ACCHR5	For Short Hydrometers Top plate is 143mm H (5⅞" H)

Hydrometer Jars

The polypropylene cylinders feature permanently molded graduations that will not fade after repeated autoclaving. Meets stringent international quality criteria according to ISO 6706.

Our UCY500BA is a strong, accurate glass Measuring Cylinder, graduate in durable blue enamel with spout & hexagonal bumper guards.

CATALOG No.		Material	O.D. x Hight	Capacity	Graduated
UCY500PP	A	Polypropylene	56mm x 360mm	500ml	YES
DCY250PP	B	Polypropylene	54mm x 190mm	250ml	YES
UCY500BA	C	Glass	50mm x 380mm	500ml	Yes / Class "A"
UCY600H	D	Glass	50mm x 375mm	600ml	NO
UCY1200H	n/a	Glass	65mm x 450mm	1200ml	NO

BI-METAL Dial Thermometers

Thermco's BI-METAL Dial Thermometers feature quality construction and design with easy to read black scale on a white background. The accuracy of these thermometers is ± 1% over the entire scale. All stainless steel case, stem, and bezel for superior shock protection, even in extreme conditions. An external nut provides for easy recalibration. Immersion is approximately 2".

FEATURES:

- *Accuracy 1% Full-Scale*
- *304 Stainless Steel Construction Superior Shock Protection*
- *Plastic Case on 5" stem models can be used as a handle*
- *Pan Clip included on 8" stem models*
- *Unbreakable Polycarbonate Lenson 1" & 1 3/4" models*
- *Glass Lens 2" Dial models*
- *External Calibration*
- *High Visible Scale*
- *Packed In Individual Cartons*
- *May Be Certified Traceable To NIST*

Pocket 1" Dial - 5" Stem - Stem Cover

CATALOG No.	Range	Divisions
ACCP70C	-40º to 70ºC	1.0ºC
ACCP110C	-10º to 110ºC	1.0ºC
ACCP150C	0º to 150ºC	1.0ºC
ACCP250C	0º to 250ºC	5.0ºC
ACCP120F	-40º to 120ºF	2.0ºF
ACCP125F	-50º to 130ºF	2.0ºF
ACCP160F	-40º to 160ºF	2.0ºF
ACCP220F	0º to 220ºF	2.0ºF
ACCP550F	+50º to 550ºF	5.0ºF

Pocket 1" Dial - 5" Stem - Stem Cover

Certified Thermometers Approved by the National Sanitary Foundation (NFS)

CATALOG No.	Range	Divisions
YP125FNSF	+25º to 125ºF	1.0ºF
YP160FNSF	-40º to 160ºF	2.0ºF
YP220FNSF	0º to 220ºF	2.0ºF

Laboratory 1-3/4" Dial - 5" Stem - No Cover

CATALOG No.	Range	Divisions
ACCG160F-5	-40º to 160ºF	2.0ºF
ACCG220F-5	0º to 220ºF	2.0ºF
ACCG500F-5	50º to 500ºF	5.0ºF

Laboratory 1-3/4" Dial - 8" Stem - Pan Clip

CATALOG No.	Range	Divisions
ACCG100CX	-50º to 100ºC	1.0ºC
ACCG110C	-10º to 110ºC	1.0ºC
ACCG100C	0º to 100ºC	1.0ºC
ACCG150C	0º to 150ºC	1.0ºC
ACCG40C	-100º to 40ºC	1.0ºC
ACCG250C	0º to 250ºC	2.0ºC
ACCG125F	+25º to 125ºF	1.0ºF
ACCG160F	-40º to 160ºF	2.0ºF
ACCG220F	0º to 220ºF	2.0ºF
ACCG250F	+50º to 250ºF	2.0ºF
ACCG500F	+50º to 500ºF	5.0ºF
ACCG550F	+50º to 550ºF	5.0ºF

Dual Scale 1-3/4" Dial - 8" Stem - Pan Clip

CATALOG No.	Range		Divisions	
ACCG160F-C	-40º to 160°F	-40º to 70°C	2.0°F	1.0°C
ACCG220F-C	0º to 220°F	-10º to 100°C	2.0°F	1.0°C
ACCG300F-C	50º to 300°F	10º to 150°C	2.0°F	1.0°C
ACCG500F-C	50º to 500°F	20º to 260°C	5.0°F	2.0°C

Laboratory 2" Dial - 8" Stem - Pan Clip

Glass Crystal Hermetically Sealed Per ASME B403 Standard

CATALOG No.	Range	Divisions
ACCGG110C	-10 to 110°C	1.0°C
ACCGG150C	0 to 150°C	1.0°C
ACCGG250C	0 to 250°C	2.0°C
ACCGG125F	25 to 125°F	1.0°F
ACCGG220F	0 to 220°F	2.0°F
ACCGG300F	50 to 300°F	2.0°F
ACCGGS00F	+50 to 500°F	5.0°F
Dual Scale		
ACCGG40C	-74 to 40°C & -100 to 100°F	2.0°C & 2.0°F

For Complete Specifications - Accessories - Downloads Please Visit
www.ThermcoProducts.com

SURFACE Thermometers

Dual Magnet Surface Thermometer

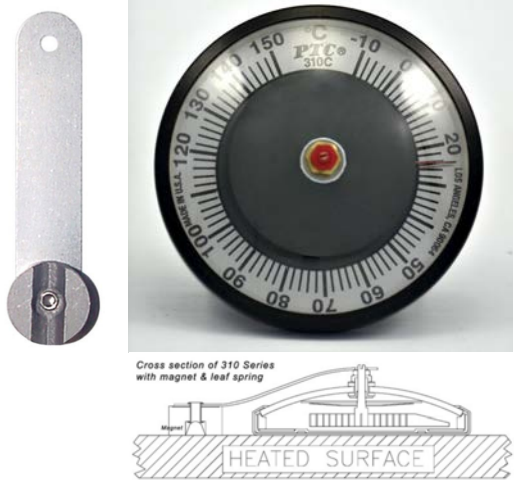
- *2" Dial - 1/2" High*
- *Accuracy of ±2% of Full Scale Range*
- *Holds Magnetically on Ferrous Surfaces*
- *Dual Scale Models Available*
- *Minimum/Maximum Models with Reset Knob*
- *Fahrenheit and Celsius models*

CATALOG No.	Range	Divisions
PT312F	0 to 250°F	2°F
PT313F	0 to 500°F	5°F
PT314F	50 to 750°F	10°F
PT315F	0 to 150°F	1°F
PT312C	-20 to +120°C	1°C
PT313C	-20 to +250°C	2°C
PT314C	10 to 400°C	5°C
PT315C	-15 to +65°C	1ºC

Fully Enclosed Surface Thermometer

- *Fully Enclosed to Protect Bimetal*
- *Accuracy of ±2% of Full Scale*
- *Units Weigh Only 1 Ounce*
- *Complete with Magnet and Leaf Spring for Non-Horizontal Surfaces & Thermal Grease*

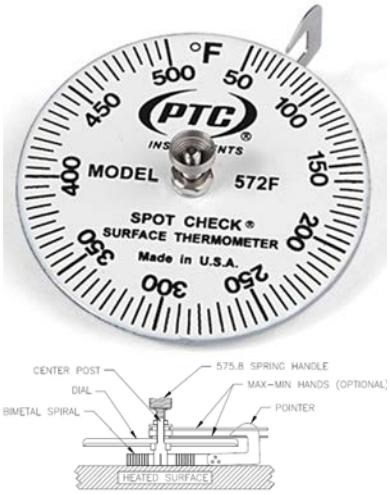
CATALOG No.	Range	Divisions
PT309FCOMP	-50 to 250°F	2°F
PT310FCOMP	0 to 300°F	2°F
PT311FCOMP	70 to 370°F	2°F
PT309CCOMP	-50 to 110°C	2°C
PT310CCOMP	-10 to 150°C	2°C
PT311CCOMP	20 to 180°C	2°C



Quick Response Surface Thermometer

- *Fast Responce in Less Than One Minute with Direct Contact*
- *Accuracy of ±2% of Full Scale Range*
- *Max-Min Hands Optional*
- *1 3/4" Dial - 1/2" High*
- *Fahrenheit and Celsius models*

CATALOG No.	Range	Divisions
PT570F	0°F to 270°F	2°F
PT571F	50°F to 320°F	2°F
PT572F	50°F to 500°F	5° F
PT573F	50°F to 1000°F	10°F
PT571C	10°C to 160°C	1°C
PT572C	10°C to 260°C	2°C
PT573C	0°C to 525°C	5°C



Spot Check® Surface Thermometer illustrated with Max-Min Hands

RECERTIFICATION

°F
°C

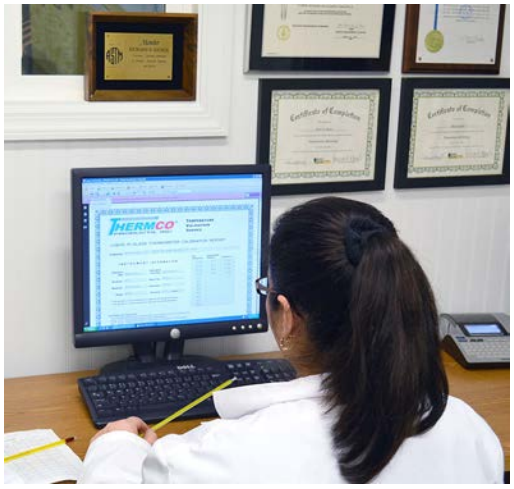
RECERTIFICATION PROGRAM

How Often Should A Thermometer Be Recertified ?

Many factors determine recertification of thermometers, such as usage, temperatures measured, in-house procedures, and regulatory agencies' guidelines and policies. As a general guideline for good laboratory and manufacturing practices, thermometers should be recertified/verified on an annual basis.

The Recertification Program Consists of...

- Complete visual inspection for any physical damage.
- If possible the damage will be repaired.
- Thermometer readings are compared against NIST standards in high precision calibration baths using the comparison method at determined test temperatures.
- Each temperature is recorded to 1/10th of a scale division.
- A calibration report is generated detailing the pertinent information including the correction factors for each test point.
- All calibration information is entered into the THERMCO data storage system.
- All certification procedures are performed in accordance with NIST and ASTM guidelines, which meet with requirements set by regulatory agencies.



How to Order Thermometer Recertification...

Complete all the information on the RECERTIFICATION FORM and carefully pack thermometer along with the current calibration certificate and payment method, we accept purchase order - company check - Visa & MasterCard,

to: **Thermco Products Inc. 10 Millpond Drive, Unit #10, Lafayette, NJ 07848**

ilac-MRA

PJLA Calibration

Accreditation No.: 69071
to ISO/IEC 17025:2005

www.ThermcoProducts.com

10 Millpond Drive Unit #10 Lafayette, NJ 07848 - Phone: 973.300.9100

Phone: 973.300.9100 Fax: 973.255.1000
e-mail: Lab@ThermcoProducts.com

RECERTIFICATION AUTHORIZATION FORM

Recalibration Interval Date:

Please indicate the recalibration interval that you would like to be on your certification report.
ISO 17025 Prohibits us from prescribing calibration intervals, however our manufacturer recommends 1 year recalibration intervals.
N O T E: Work cannot be completed until the calibration interval is determined.

ITEM	S/N MODEL#	CALIBRATION TEST TEMPERATURES (Please List) Example... -20, 0, 4, 25 °C or °F	CALIBRATION Interval 1 or 2 yrs
1			
2			
3			
4			
5			
6			
7			
8			
9			

N O T E: Please provide the latest calibration certificate(s) for each item

Billing / Accounting Info:

Company
Address
City State Zip
Contact
Phone Fax
email

Ship To: (If Different Than AP)

Company
Dept.
Address
City State Zip
Contact
Phone
email

Missing Information Will Delay Processing

Payment Options:

◯ Corporate Purchase Order
No. _____
(Please enclose a hard copy of the P.O. along with items)

◯ Company Check
No. _____
Make Checks Payable To: ***Thermco Products Inc.***

◯ VISA ◯ MasterCard
No. _____
Name on card. _____
Exp. Date. _____ CVC#. _____
Address _____
Email (for receipt) _____

Return Shipping Method:

UPS Only:
☐Ground ☐3-Day ☐2-Day ☐Next Day

UPS Collect Account No.
_____
NOTE: No Air Shipping for Mercury Thermometers

Ship Thermometer(s) To:

Thermco Products Inc.
Recertification Dept.
10 Millpond Drive, Unit #10
Lafayette, NJ 07848

CL-023 Issued 6-22-2016 Rev-3