MIN-MAX TIME STAMP ALARM THERMOMETER

FEATURES
- High accuracy
- Unit internal or external sensor reading display
- Minimum and maximum reading memories with real time and date stamp
- Low / high alarm limit setting
- Alarm display with real time and date stamp
- Flashing light alarm indicator
- °C / °F exchange
- Time and date display
- Low battery indication
- Flip out desk stand
- Velcro magic tape fixing

SPECIFICATION

Measuring range	-50 ~ 70°C / -58 ~ 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	±1 second per day
Time display format	12 / 24 hours format user option
Date display format	date/month/year or month/date/year user option
Effective calendar period	2013 ~ 2099
Battery	1.5 volt, type AAA or equivalent x2 pieces
Battery life	About 8000 hours in continuous operation
Working ambient temperature	0 ~ 50°C / 32 ~ 122°F
Display size	47(W) x 39(H) mm
Sensor cable length	3200 mm
Sensor bottle size	19.5(Φ) x 40(H) mm PE bottle
Product size	75(W) x 124(H) x 19(D) mm
Accessories	1) 1.5 volt, type AAA battery x2 pieces 2) Sensor in bottle x1 piece

INSTALLATION
1. Fully pull down the battery cover on the front.
2. Pull out the battery insulation strip.
3. Peel off display protective sheet.
4. For using external sensor measurement, plug in the external sensor and put the sensor inside the fridge or freezer.

SET TEMPERATURE UNIT
Slide [°C/°F] switch to the desired temperature unit.

DATE AND TIME SETTING
1. Press [MODE] until the display showing date and time.
2. Press [SET] to enable setting and the enabled digits will be flashing.
3. Press [↑] or [↓] to set the value.
4. Press [SET] to finish current setting and start the next setting.
5. Perform above steps 2-4 to set year, month, date, hour, minute and 12/24 hours format.

LOW / HIGH ALARM SETTING (LO ALM / HI ALM)
1. Press [MODE] until the display showing LO ALM / HI ALM.
2. Press [SET] and the LO ALM digits will be flashing.
3. Press [↑] or [↓] to set the value.
4. Press [SET] to finish LO ALM setting and start HI ALM setting.
5. Press [↑] or [↓] to set the value.
6. Press [SET] to finish setting.
7. The alarm will sound and the red light will be flashing when the reading is lower or higher than the alarm limit. Press any button will stop the alarm sound but the LO ALM or HI ALM icon and the red light will still be flashing which indicate that an alarm has been triggered.
8. To cancel the icon and red light flashing, press [🔔] in alarm display mode.

ALARM ON/OFF
Press [🔔] in alarm display mode to switch alarm limit off or on.

MINIMUM / MAXIMUM READING MEMORY
1. Press [MODE] until the display showing MIN and MAX readings.
2. Press [EVENT] will show when the minimum reading is measured at.
3. Press [EVENT] again will show when the maximum reading is measured at.
4. Press [EVENT] to return to normal MIN and MAX display.
5. To clear the memories press [CLEAR] once. All readings and time stamps will be reset to current values.
6. <u>Always clear the memory once before taking new minimum / maximum reading.</u>

ALARM DISPLAY
1. Press [MODE] until the display showing LO ALM and HI ALM setting values.
2. Press [EVENT] will show when the Low alarm is triggered at.
3. Press [EVENT] again will show when the high alarm is triggered at.
4. Press [EVENT] to return to normal LO ALM and HI ALM setting values display.

NOTE
1. Do not operate the thermometer in the environmental temperature lower than 0°C / 32°F or higher than 50°C / 122°F otherwise incorrect readings or damage to the thermometer may result.
2. If the thermometer is not in use for a long period of time then remove the batteries from battery compartment to avoid battery leakage.

ERROR SYMBOLS

Symbol	Description	Action required
⬛X⬛	Low battery voltage	Replace the batteries
LLL	1) Sensor open circuit 2) The reading is out of low range (-50°C)	1) Return the thermometer for repair 2) Keep the measurement above low Range
HHH	1) Sensor short circuit 2) The reading is out of high range (70°C)	1) Return the thermometer for repair 2) Keep the measurement below high range