MEMORY RECORD MODE
Press the MN/MX button to activate the minimum/maximum memory record mode ("REC" will appear on the display).

While in the Record mode, the meter will record the minimum and maximum temperature readings achieved.

Note: While in this mode, pressing the °C/°F button will have no affect and will not change the display.

Example--
If the temperature being measured is 25.0 °C when the relative measurement mode is entered, the meter will set 25.0 °C as the "relative zero" and the display will show 0.0 °C as long as the temperature being measured is 25.0 °C. If the temperature rises to 27.5 °C, the display will show 2.5 °C. If the temperature falls to 20.0 °C, the display will show -5.0 °C.

Note: While in this mode, pressing the °C/°F button will have no affect and will not change the display.

To exit the relative measurement mode, press the REL button ("REL" will no longer appear on the display).

MEMORY RECALL
1. While in the Record mode, press the MN/MX button to display the current temperature that has been achieved ("MAX" will appear on the display).

2. Press the MN/MX button a second time to display the minimum temperature that has been achieved ("MIN" will appear on the display).

3. Press the MN/MX button a third time to return to the current temperature display.

AUTOMATIC SHUTOFF DISABLE
The Automatic Shutoff feature will turn the meter off after 20 minutes to preserve battery life. This feature is automatically enabled each time the meter is powered on, regardless of whether the feature was disabled previously.

To disable the Automatic Shutoff feature:
While the meter is turned off, press and hold the HOLD button, then press and hold the PWR button. Continue to press and hold the both buttons until “n” appears on the display. Once “n” appears on the display (indicating that the Automatic Shutoff feature has been disabled), release both buttons. The meter will then display the current temperature.

With the Automatic Shutoff feature disabled, the meter will remain on until the PWR button is pressed, or until the battery is fully drained.

Note: While in this mode, pressing the °C/°F button will have no affect and will not change the display.

Press and release the HOLD button a second time to return to current temperature display ("HOLD" will no longer appear on the display).

RELATIVE MEASUREMENT MODE
The relative measurement mode will show a "relative zero" measurement based on the temperature that was being measured when the mode was entered. The display will then indicate the temperature difference from the "relative zero" value. To activate the relative measurement mode, press the REL button ("REL" will appear on the display).

Example--
If the temperature being measured is 25.0 °C when the relative measurement mode is entered, the meter will set 25.0 °C as the "relative zero" and the display will show 0.0 °C as long as the temperature being measured is 25.0 °C. If the temperature rises to 27.5 °C, the display will show 2.5 °C. If the temperature falls to 20.0 °C, the display will show -5.0 °C.

Note: While in this mode, pressing the °C/°F button will have no affect and will not change the display.

To exit the relative measurement mode, press the REL button ("REL" will no longer appear on the display).

MEMORY RECORD - RELATIVE MEASUREMENT
1. While in the Record mode during relative measurement, press the MN/MX button to display the maximum temperature difference that has been achieved. ("MAX" will appear on the display.)

2. Press the MN/MX button a second time to display the minimum temperature difference that has been achieved. ("MIN" will appear on the display.)

3. Press the MN/MX button a third time to return to the current relative temperature display.

WATERPROOF FEATURE
This thermometer is waterproof with an IP (Ingress Protection) rating of IP66. The thermometer is not immersible. IP66 rating indicates total protection from dust and temporary protection from flooding of liquids. The rubber boot and top cap plug must be used to maintain this rating. The rubber boot is removable so that it may be used with additional thermocouple probes.

BACKLIGHT
Press the BKLT button to turn on the display backlight when in dim or dark conditions. The light will automatically turn off after approximately 30 seconds to preserve battery life.

DISPLAY MESSAGES
appearing on the display indicates that the battery is low and needs replacement (see the “Battery Replacement” section).
appearing on the display indicates that no probe is plugged into the meter, or the probe is damaged.

ALL OPERATIONAL DIFFICULTIES
If this meter does not function properly for any reason, please replace the battery with a new, high-quality battery (see the “Battery Replacement” section). Low battery power can occasionally cause any number of “apparent” operational difficulties. Replacing the battery with a new fresh battery will solve most difficulties.
BATTERY REPLACEMENT
An erratic display, faint display, no display, or appearing on the display are all indicators that the battery needs replacement. To replace the battery, remove the 2 battery cover screws (located on the back of the meter at the bottom). Remove the battery cover. Remove the exhausted battery and replace it with a new 9-volt alkaline battery. Replace the battery cover. Replace the battery cover screws and tighten securely.

ACCESSORIES
Cat. No. 4008  Surface Probe—
Temperature range is –73 to 760°C. Dimensions: 5-inch probe length; 0.5-inch tip diameter; 8½-inch overall length. Supplied with 36-inch cable.

Cat. No. 4014  Stainless Steel Probe—
Stainless-steel, triple purpose (liquids, air/gas, and semi-solids), Type-K probe. Temperature range is –50 to 700°C. Dimensions: 0.13-inch diameter; 6½-inch stem length; 9¾-inch overall length. Supplied with 40-inch cable.

Cat. No. 4028  Beaded Probe—
Fast-Response, Type-K thermocouple, beaded probe. Teflon cable can withstand temperatures of -40 to 250 °C continuous or 300 °C short-term use. Dimensions: 0.06-inch diameter probe with cable length of 4 feet for use in liquids, air/gas, and semi-solids.

Cat. No. 8039  Low-Temperature Probe—
Stainless-steel; triple purpose (liquids, air/gas, and semi-solids), Type-K probe. Temperature range is -240 to 220°C. Dimensions: diameter 0.17 inch; stem length 12 inches; overall length 17 inches. Supplied with 8-foot cable.

Cat. No. 8613  High-Temperature Probe—
Ten-foot-long, 0.19-inch diameter braided metal wire cable with smooth tip measures –73 to 982°C continuous or 1093°C short-term use. For use in liquids, air/gas, and semi-solids.