Talking Thermometer
RT8400

INSTRUMENT OPERATION

To turn the instrument on press the [On/Talk] button. Within one second the thermometer is ready to work. Apply the tip of the probe to the substance or medium to be measured. Wait a few seconds to allow the probe tip to come to the full temperature then press the [On/Talk] button to hear the temperature. Press the [On/Talk] button to repeat the voice message. If the temperature is currently changing, the reported reading will change. The display constantly updates once per second to show the current temperature. The instrument will automatically power off after ten minutes to maximize battery life.

SETUP AND INSTALLATION

1. Open the battery cover and remove battery insulation strip.
2. Select the desired temperature unit (°F or °C) using the button on the rear of the thermometer.

NOTE

1. Clean the probe immediately with cleaning wipes after each measurement to avoid cross contamination.
2. Do not expose the plastic body of the thermometer to temperatures lower than 32°F (0°C) or higher than 122°F (50°C) otherwise incorrect readings or damage to the thermometer may result.
3. If the thermometer is not in use for a long period of time then remove the batteries from battery compartment to avoid battery leakage.
4. Do not expose the thermometer body to water or moisture.

SPECIFICATIONS

Measuring Range	-58 to 572°F / -50 to 300°C
Display Accuracy	±1.8°F / 1°C : -3.8 to 247.8°F (-19.9 to 119.9°C)
	±3.6°F / 2°C : -58 to -4°F and 248 to 391.8°F (-50 to -20°C)
	±5.4°F / 3°C : 392 to 572°F (200 to 300°C)
Display Resolution	0.1° over full range
Response Time	About 10 seconds from ambient to 212°F (100°C)
Display Reading Update	1 second
Automatic Power Off	After idle for 10 Minutes
Battery	1.5 volt, type AAA or equivalent x 2 pieces (included)
Battery Life	About 4,000 hours in standby mode
Probe	0.12 x 4.9 inches, Tip reduces to 0.08 inch dia.
	3.0 mm x 125 mm, Tip reduces to 2.0 mm dia.
Display Size	1.0 (W) x 0.5 (H) inches
	26 (W) x 12.5 (H) mm
Product Size	2.0 (W) x 4.4 (H) x 1.2 (D) inches (not including probe)
	51 (W) x 110 (H) x 30 (D) mms (not including probe)

ERROR SYMBOLS

Symbol	Description	Action Required
▭	Low Battery	Replace the batteries
LLLL	1-Sensor open circuit 2-Reading is out of low range <-50°C	1-Return the thermometer for repair 2-Keep the measurement above the low range
HHHH	1-Sensor short circuit 2-Reading is out of high range >300°C	1-Return the thermometer for repair 2-Keep the measurement below the high range

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