

TRACEABLE[®] EXPANDED-RANGE THERMOMETER INSTRUCTIONS

SPECIFICATIONS:

Display: $\frac{5}{8}$ " high 4 digit LCD

Range: -40 to 2000°F (Fahrenheit Model)
-40 to 1200°C (Celsius Model)

Accuracy Chart:

Fahrenheit Model		Celsius Model	
Range	Accuracy ±	Range	Accuracy ±
32 to 932 °F	1% + 2 °F	0 to 500 °C	1% + 1 °C
933 to 1382 °F	1% + 2 °F	501 to 750 °C	1% + 1 °C
1383 to 1832 °F	2% + 2 °F	751 to 1000 °C	2% + 1 °C
1833 to 2000 °F	4% + 2 °F	1001 to 1200 °C	4% + 3 °C
31 to -4 °F	4 °F	0 to 20 °C	2 °C
-5 to -40 °F	6 °F	-21 to -40 °C	3 °C

Resolution: 1°

Update Rate: Less than 1 second

Probes: Ultra-fast response, naked bead type K thermocouple

Case: ABS plastic

Fail safe: Low battery indicator

Power: 9 volt alkaline battery

Accessories

supplied: Integrated stand and PVC pouch with carrying strap

PROBE

The probes supplied are ultra-fast response, naked bead type K thermocouples. Operating temperature range for this thermocouple is the 482°F (250°C), and short term usage to 572°F (300°C). Accessory probes are available for measuring temperatures throughout the entire range of this unit. (See Accessories)

Longer leads and extensions may be used. The lead effect for 164 feet (50 meters) is generally less than 0.2°C with a limit of error of 2.2°C. Type K wire and type K connectors must be used.

OPERATION

Insert the sensor plug into the socket (T1 or T2). The plug and socket are keyed with a small and large pin. Make certain the plug is inserted correctly, do not insert the plug incorrectly and force it.

Slide the **OFF/T1/T2** switch to **T1** to display the temperature of T1, or to **T2** to display the temperature of T2. If there is no probe (an open condition) the display will indicate 1 on the left side.

Place the probe tip in contact with the material to be measured and read the temperature on the display.

Slide the **OFF/T1/T2** switch to **OFF** to turn the unit off. To conserve battery life, always turn the unit off when not in use.

ACCESSORIES

Control Cat. No. 4014-

Stainless Steel Triple Purpose Probe, probe diameter $\frac{1}{8}$ " (0.32 cm), probe length 6" (15.2 cm), overall length 9" (22.9 cm), cable length 50" (127 cm).

Control Cat. No. 4008-

Surface Probe, flat disk on end has diameter of 0.39" (1 cm), overall length 9" (23 cm), cable length 36" (91.4 cm).

Control Cat. No. 4028-

Ultra-fast response, naked bead thermocouple, (identical to probe supplied with unit) cable length 48" (122 cm).

ALL OPERATIONAL DIFFICULTIES

If this thermometer does not function properly for any reason, please replace the battery with a new high quality battery (see "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 difficulties

BATTERY REPLACEMENT

LO BAT appearing on the display indicates that the battery should be replaced. To replace the battery, slide the battery cover, located on the back of the unit, in the directions of the arrow (away from the instrument). Remove the exhausted battery and replace it with a new 9 volt alkaline battery. Replace the battery cover.

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

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Control Company is ISO 9001 Quality-Certified by DNV and ISO 17025 accredited as a Calibration Laboratory by A2LA.