

TRACEABLE POCKET-SIZE THERMOMETER INSTRUCTIONS

SPECIFICATIONS

Range: - 50 to 1382 °F (°F Model# 4232)
-50 to 750 °C (°C Model# 4233)

Resolution: 1°

THERMOCOUPLE

The sensor supplied is a fast response beaded Type-K thermocouple. Maximum temperature for this sensor is 482 °F (250 °C), with short term usage to 572 °F (300 °C). Accessory thermocouples are available for measuring temperatures throughout the entire range of the unit (See "Accessories").

Only Type-K thermocouples may be used with this unit.

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 connectors must be used.

OPERATION

Insert the thermocouple plug into the socket at the lower edge of the instrument. 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 ON/OFF switch to ON to turn the unit on. If there is no thermocouple (an open condition) the unit displays a 1 on the left side.

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

Slide the ON/OFF 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. 4008—Surface Temperature Thermocouple

Control Cat. No. 4014—Stainless Steel Probe Thermocouple

Control Cat. No. 4028—Fast Response Beaded Thermocouple
(supplied with unit)

Control Cat. No. 8039—Low Temperature Probe Thermocouple
(-400 °F / -240 °C)

Control Cat. No. 8613—High Temperature Cable Thermocouple
(1799 °F / 982 °C)

ALL OPERATIONAL DIFFICULTIES

If this unit does not function properly for any reason, 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

Erratic readings, faint readings, no display or LO BAT appearing on the display are all indications that the battery should be replaced. To replace the battery, slide the battery cover, located on the back of the unit, in the direction 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:

CONTROL COMPANY

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