SPECIFICATIONS

Range: -58 to 2372 °F
        -50 to 1300 °C

Resolution: 0.1° or 1° (selectable)

THERMOCOUPLE

The sensor supplied is a Stainless Steel Mini-Probe Type-K thermocouple. Maximum temperature for this sensor is 932 °F (500 °C), with short term usage to 1292 °F (700 °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 located on the front 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.

Press the POWER button to turn the unit on.

Pressing the °F button will display the temperature in Fahrenheit (°F will appear on the display). Pressing the °C button will display the temperature in Celsius (°C will appear on the display).

Press the 0.1° or 1.0° button to select the desired temperature resolution. (Note: 0.1° resolution can only be used when the temperature being measured is between -50° and 199.9°)

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

Press the POWER button to turn the unit off. To conserve battery life, always turn the unit off when not in use.

HOLD

Press the HOLD button to "freeze" the display at the current reading ("H" will appear at the top left corner of the display). Press the HOLD button again to return to the current reading.

OFFSET ADJUSTMENT (Fine tuning)

By adjusting the offset control, found on the front of the unit, the measurement accuracy may be optimized for a particular thermocouple at a particular temperature.

While offset adjustments are possible they will VOID with the factory calibration. This unit has been calibrated Traceable® to standards provided by the National Institute of Standards and Technology (NIST). Traceable® recalibration must be made by the factory (See the "Warranty, Service or Recalibration" section).

BENCH STAND/WALL MOUNT

The unit is supplied with a bench stand that is on the back of the case. Locate the stand on the back of the unit. With your thumb and forefinger, lift the stand out. To close the stand, simply snap it shut.

The unit may be wall mounted by using a screw. Set the screw into the wall at the desired location. Do not set the screw flush to the wall, the head of the screw will need to slip into the receptacle on the back of the unit. Hang the unit by sliding the receptacle located on the back of the unit over the head of the screw.

ACCESSORIES

Control Cat. No. 4008—
Surface Temperature Thermocouple

Control Cat. No. 4014—
Stainless Steel Probe Thermocouple

Control Cat. No. 4028—
Fast Response Beaded Thermocouple

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 a battery symbol appearing on the display are all indications that the battery should be replaced. Before replacing the battery, turn the unit off and unplug the probe. Remove the battery cover screw located on the back of the meter and lift off the battery cover. Remove the exhausted battery and replace it with a new 9 volt alkaline battery. Replace the battery cover and tighten the screw securely.

WARRANTY, SERVICE, OR RECALIBRATION

For warranty, service, or recalibration, contact:

CONTROL COMPANY
4455 Rex Road
Friendswood, Texas 77546 USA
Ph. 281 482-1714 • Fax 281 482-9448
E-mail sales@control3.com • www.control3.com

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

TRACEABLE® WORKHORSE™ THERMOMETER INSTRUCTIONS