

## 310C

### Pocket Digital Thermometer

To measure temperature with this unit follow these simple instructions:

Selecting Fahrenheit or Celsius mode:

With the unit “OFF” press and continue to hold the ON/OFF button. The LCD will alternate between °F and °C

Release the ON/OFF button when desired measurement mode appears on the LCD

Remove the protective sheath from the stem.

Press the ON/OFF button.

Insert stem into area or object to be tested. At least 1/2” of the stem must be inserted.

**Warning:** The stem is a sharp and pointed object which can be dangerous.

The Data Hold function is used by pressing the D-H button when taking a measurement. The measurement will flash on the LCD when Data Hold is in use. To return to normal function, press and release the D-H button a second time.

Press the ON/OFF button to end operation, or the unit will automatically power off after 35 minutes.

#### **To reverse the LCD to suit your viewing angle:**

Insert a small coin into notch in curved area “B”, then gently pry portion “A” from “B”. Shielded wires will keep the two parts connected.

Twist the area “A” 180° and snap back into area “B”.

#### **Specifications:**

Range	-58° to 300°F/-50° to 150°C
Resolution	0.1°F/C
Accuracy	±2°F/±1°C
Sampling Time	1.5 seconds
Battery	1.5 Volt Button

#### **TPI 310C FIELD CALIBRATION**

Fill a plastic or metal container with crushed ice and add clean water to a depth of at least 4 inches. Stir the ice and water for 2 to 3 minutes prior to performing calibration to ensure the water is completely chilled. Make certain there is plenty of ice in the mixture and always use clean water. Distilled water works well. The temperature of an ice bath is approximately 32°F (0°C).

Insert the stainless steel shaft of the 310C into the ice bath making sure at least one inch of the tip is immersed. Allow the reading on the thermometer to stabilize.

*Note: The temperature reading must be within 23°F to 41°F (-5°C to 5°C) for calibration to have effect.*

Press and hold down the **HOLD** button for approximately 8 seconds until “CAL” is displayed. “CAL” will display for approximately 2 seconds and then the 310C will return to normal operation. Calibration is complete.

Note: If the temperature reading was not within 23°F to 41°F (-5°C to 5°C) when step 3 was performed no change in calibration occurred. The 310C was designed with this feature to prevent improper calibration.

**This Instrument**

Is in compliance with EN 50 081-1:1992, EN 50 083-1:1992, IEC 801-2:1984, IEC 801-3:1984, IEC 801-4:1988,



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