

## 312C

### 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 ½” 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 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.

Specifications:

Range -58° to 300°F/-50° to 150°C

Resolution 0.1 °F/C

Accuracy  $\pm 2^{\circ}\text{F}/\pm 1^{\circ}\text{C}$

Sampling Time 1.5 seconds

Battery 1.5 Volt Button

This Instrument is in compliance with EN 50 081-1:1992, EN 50 082-1:1992, IEC 801-2:1984, IEC 801-3:1984, IEC 801-4:1988

### **TPI 312C 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 312C into the ice bath making sure at least one inch of the tip is immersed. Allow the reading on the thermometer to stabilize.

Press and hold the **D-H** button for approximately 8 seconds until “CAL” is displayed. “CAL” will display for approximately 2 seconds and then the 312C 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 312C was designed with this feature to prevent improper calibration.



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