**317C**
**Pocket Digital Thermometer**

To measure temperature 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 inch 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 activated. To return to normal operation, press and release the D-H Button a second time.

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

**Specifications:**

| | |
|---|---|
| Temperature Range | -58 to 300 °F/-50 to 150 °C |
| Resolution | 0.1 Degrees |
| Accuracy | +/- 2 °F, +/- 1 °C |
| Sampling Time | 1.5 Seconds |
| Battery | (SR44) A044 |

## TPI 317C 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 317C 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 317C 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 317C was designed with this feature to prevent improper calibration.