



Test Products International, Inc.
9615 SW Allen Blvd., Ste. 104
Beaverton, OR 97005
Tel: 503-520-9197
www.testproductsintl.com

Test Products International, Ltd.
342 Bronte Road South, Unit #6
Milton Ontario Canada L9T
5B7 Tel: 905-693-8558
www.tpicanada.com

Test Products International Europe Ltd.
Rutherford Way Industrial Estate
Rutherford Way
Manor Royal
Crawley
West Sussex
RH10 9LN
www.tpieurope.com

318C Pocket Digital Thermometer

To measure temperature, follow these simple instructions:

1. Remove the protective sheath from the stem.
2. Press the ON/OFF button.
3. 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.

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.

Data Hold:

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 (SR44 / LR44)

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 318C 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 318C 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 318C 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 318C was designed with this feature to prevent improper calibration.

