



TPI 341K FIELD CALIBRATION

The 341K has the ability to be field calibrated. Accuracy of $\pm 1^{\circ}\text{F}$ within the 30°F to 120°F range can be achieved by performing an ice bath calibration.

The temperature of an ice bath is approximately 32°F (0°C). 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.

1. Step-by-Step Procedures

1. Connect a temperature probe to the 341K.
2. With the thermometer turned off, press and hold down the **MIN/MAX**, and **HOLD** buttons. Press and hold the **ON/OFF** button until "CALF" is displayed then release all buttons. FIEL will be displayed indicating field calibration mode is active.
3. Insert the probe into the ice bath and allow the reading to stabilize. The value must be stable within $\pm 8^{\circ}\text{C}$ or Err will display.
4. The 341K will automatically beep and set the displayed reading to 0°C when the reading is stable. Once this happens proceed to step 5.
5. Press the **HOLD** button and Off will be displayed and the calibration information will be stored. Calibration is complete and the 341K will turn off.