



Field Calibration for Thermometers

TPI 343 Field Calibration

The 343 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 both temperature probes to the 343.
2. Press and hold down the **MIN/MAX** and **HOLD** buttons then press and hold the **ON** button until a beep is heard. CALF will be displayed and the 343 will enter calibration mode and begin cycling between T1 and T2.
3. Insert the probes into the ice bath and allow the readings to stabilize.

Once the reading on both inputs has stabilized, press the HOLD button. SAVE will be displayed and calibration is complete.

