Field calibration for thermometers
341K
09.10

Field calibration for thermometers
TPI 341K FIELD CALIBRATION

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The 341K has the ability to be field calibrated. Accuracy of +/-1°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. Press and hold down the **MIN/MAX** and **HOLD** buttons and turn the 343 on. 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.