



## Calibration Procedure – DeltaTRAK Digital Probe Thermometers Models 11000, 11001, and 11002

**Please note that performing this procedure voids all warranties regarding calibration and DeltaTRAK assumes no liability for the accuracy of products calibrated by the customer.**

Required items:

1. Small slotted head screwdriver (-)
  - Independent of pocket clip screwdriver on thermometer
2. Cup
3. Crushed ice and water

Procedure:

1. Note the small screw located in the center of the pocket clip. (Figure 1)
2. Remove the pocket clip from the thermometer. This slides off the clip holder. Note the small slotted screwdriver on the end of the pocket clip. (Figure 2)
3. With the non-pocket clip screwdriver, remove the small screw that was visible from the center of the pocket clip. The temperature adjustment potentiometer is inside. (Figure 3)
4. Place crushed ice and water in cup (60% ice / 40% water). Use the thermometer probe to mix for 1 minute and then let sit for 5 minutes.
5. Mix again with probe for 30 seconds.
6. Making sure the thermometer probe is fully submerged, use the slotted screwdriver on the pocket clip to turn the temperature adjusting potentiometer until the temperature reads 32°F (0°C). Stir ice water again for 1 minute and note reading. This should be within 0.5° of 32°F (0.3° of 0°C), but not below the target temperature. If below target value, redo calibration.
7. Replace the screw over the temperature adjusting potentiometer and replace the pocket clip. Verify reading one final time.



Figure 1: Cover screw to access calibration potentiometer

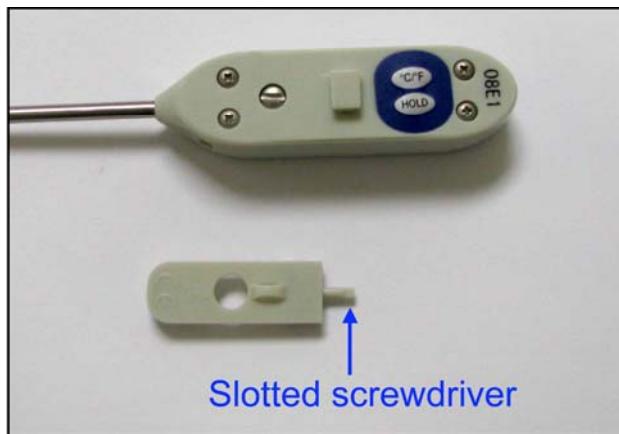


Figure 2: Slotted screwdriver on pocket clip

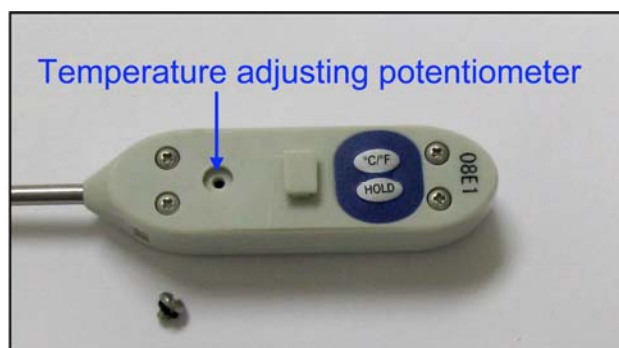


Figure 3: Access to temperature adjusting potentiometer

**NOTE: It is recommended to verify thermometer accuracy daily using an ice water solution.**