

# The Instrument Company

2978 Southmoor Drive / Fort Collins, CO 80525 / 970-690-9084 / [www.theinstrumentcompany.com](http://www.theinstrumentcompany.com)

---

## Delta-T Operating Instructions & Display Meter Zeroing Instructions

### How to Set the Delta-T Instrument to Zero (if necessary)

Your new Delta-T instrument has been calibrated and tested before shipping and should not require any further attention. The meter indicator needle has been pre-set to read Zero both when the instrument is turned ON and when it is turned OFF. If, due to vibration, mishandling or other shock during shipping, the meter indicator needle is not centered on Zero when turned ON, you may wish to Zero it. (Please note that even if the position of the meter indicator needle is not at Zero, it will not affect its operation.)

#### To reset the Zero:

Step 1. Turn the Delta-T OFF. Using a small screwdriver, carefully turn the small black screw located directly below the meter display one way or the other until the meter indicator needle points to Zero.

Step 2. Turn the Delta-T to the HIGH ON position and let it sit for about a minute until the meter indicator needle has stabilized. Make sure the instrument is not near a fan or other draft as it could affect the reading.

Step 3. On the end of the case, there is a small hole that allows access to the electrical Zero adjustment screw. You should be able to see the screw through the hole. (Note: Due to different meter suppliers, the small screw and the hole may not line up exactly. If you cannot see the screw through the small hole in the case, open the battery access on the side and carefully depress the circuit board until you see the screw through the hole.)

Step 4. With a small screwdriver, carefully turn the screw one way or the other while watching the meter needle indicator until it is set to Zero. DO NOT touch the probes while you are doing this or your setting will not be accurate.

Step 5. Close the battery access and recheck.

### How to Set the (Optional) Patient or Projection Meter to Zero

Step 1. Follow the instructions for setting the Zero for the Delta-T.

Step 2. Find the small holes in the plug that connects the optional Patient or Projection Meter into the Delta-T. These holes are labeled Zero and Gain.

Step 3. Use a small screwdriver to adjust the Zero and Gain. (The Gain adjustment insures that the full-scale deflection on the Delta-T gives an approximate full-scale deflection on the optional Display Meter.)

Step 4. If needed, reset the Zero after adjusting the Gain.

**IMPORTANT SHIPPING INSTRUCTIONS:** If you ever need to return your Delta-T for repair, please follow these instructions carefully to avoid damage in shipment: 1) Package the Delta-T in a sturdy box with at least 2-3 inches of packing material on all sides to prevent it from shifting during shipping. 2) Ship the package either UPS or FedEx. Avoid shipping through the Post Office because if it is lost or damaged, it can take several months to process an insurance claim. 3) Insure the package for its full value.