

# Calibration Procedure: HI937XX

Please read these instructions carefully. If you do not feel comfortable in performing this calibration please contact your Dealer or Hanna Instruments Technical Service Department for repairs.

When checking the calibration what you will be looking for is a hexadecimal number. This number should be adjusted between 2b00– 2C00. The ideal half way point between the two numbers is 2b90.

You will need the following before getting started.

1. A small jeweler's screwdriver.
2. A screw driver to remove the back cover of meter.
3. A covered cuvet filled with deionized or distilled water.

Note: Wipe the outside of the cuvet to remove fingerprints and water drops.

- Remove the back cover of the meter.
- Press down on all the IC chips that are in the IC holders to make sure they are making contact. While you are pressing you will hear a "crunching" sound.
- Turn the meter upright and place the cuvet filled with deionized water into the cuvet holder.
- Enter the meter into the calibration mode by turning the meter on and pressing the button in the BOTTOM right hand corner of the meter as soon as you see the letter "V" appear in the top left hand corner of the LCD. If you try this and you see three dashes you did not push the bottom button in time. Please try again.  
Note: If your meter does not have a button in the lower right hand corner then you must lift the mask (label) on the face of the meter to expose the button.
- A hex number will appear on the LCD. If it is not within the correct range (between 2b00-2C00), adjust it by turning the blue trimmer inside the meter. When trying to adjust the trimmer, the meter must be upright, with the cuvet still installed and held as level as possible. Slowly, move the trimmer and allow the number on the LCD time to "catch up".  
Note: The letter "b" will look similar to the number six. Also, the last number on the LCD will always be changing and will not be stable.

NOTE: For multi-parameter meters such as the HI93745 please follow the instructions above however the hexadecimal number will be between 0b00-0C00 with 0b90 being the half way point.

Technical Services 800-437-1146

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