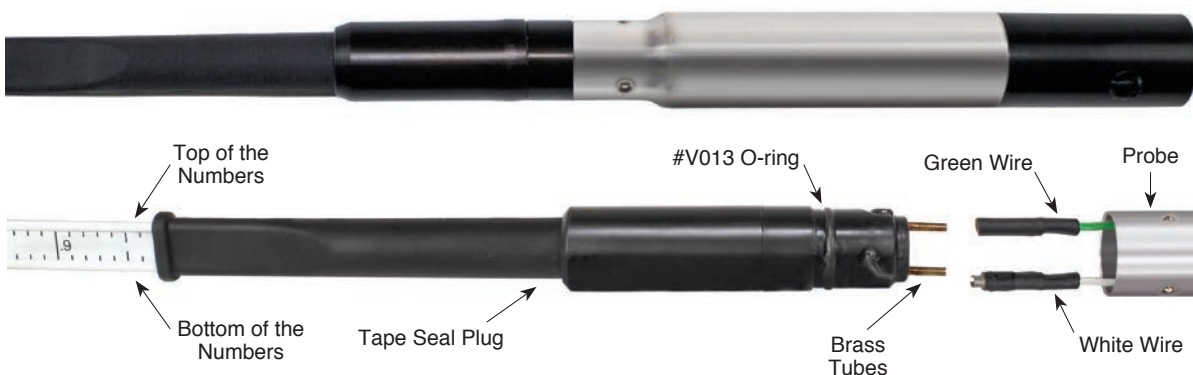


1. Check the Probe:

- a) If the TLC Meter is continuously sounding, check if there is water dripping down the probe and onto the conductivity pin. If so, give the tape a quick shake up and down to shake-off excess water.
- b) Is the probe dirty? Clean the probe according to the Cleaning Instructions of the TLC Meter Operating Instructions.
- c) Remove the probe, and look for signs of leaking (moisture, discoloration, damaged O-ring) and damage on the green and white coloured insulation on the probe wires (i.e. insulation missing or pinched).

Note: To remove the probe, twist the probe counter-clockwise and pull out. This may take some force.

- d) Ensure that the two crimp connectors on the probe wires are firmly attached to the brass tubes.
- e) Ensure that the green and white wires are connected correctly to the brass tubes as shown in the photo at the bottom of the page.
- f) If you have another probe, connect it, to see if this solves the issue.



Model 107 Probe Showing the Proper Connections

2. Check the PVDF Flat Tape:

- a) Check for cuts or nicks in the flat tape.
- b) Remove the probe. Turn on the TLC Meter, and measure the voltage across the brass tubes on the tape seal plug. The measured voltage should be the same as the battery, at about **9 volts**.
- c) Use a screwdriver to remove the faceplate. Unplug the Molex connector (connects the tape to the faceplate electronics). With the probe still detached, using an Ohm Meter, measure the resistance between the pin on the unplugged Molex connector to a brass tube on the tape seal plug. Individually check both the top and bottom connectors/conductors for similar continuity. Ohm values vary with tape length (i.e. ~10 Ohms/30 m), and should be **similar for each test**.

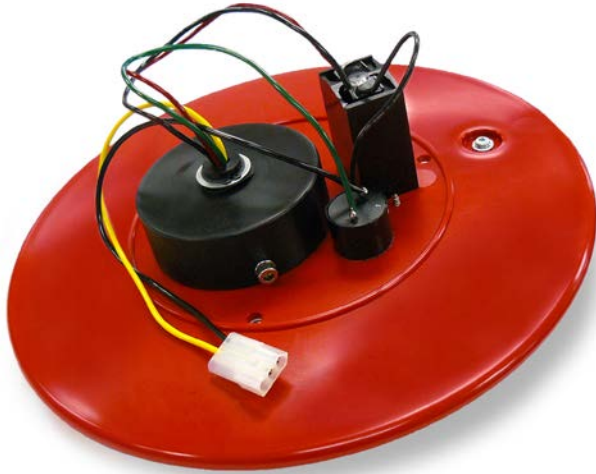


- d) With the faceplate and probe still detached, measure the Ohms across the brass tubes on the tape seal plug. The measured Ohms should display "**infinity**" or "**overload**". Any measured Ohms indicates a leak through the tape seal plug.



3. Check the faceplate electronics:

- a) Use a screwdriver to remove the faceplate, and ensure that everything is dry, clean, and wiring connected.
- b) Unplug the faceplate molex connector (connects the tape to the faceplate electronics), and turn the TLC Meter on. You should see and hear normal startup signals.
- c) Turn on the TLC Meter. Measure the voltage across the pins of the unplugged molex connector - should be **9 volts**.



4. Summary: Have you checked...

- a) The battery is installed correctly, and it is at 9 volts?
- b) The TLC Meter has recently been calibrated/restored?
- c) There are no leaks inside the probe?
- d) The measured Ohm and voltages at the tape seal plug and Molex connector are at the expected values?
- e) Everything looks dry and secure behind the faceplate?

5. Send us a Video

Email us a video that clearly shows the TLC Meter not functioning as it should.

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