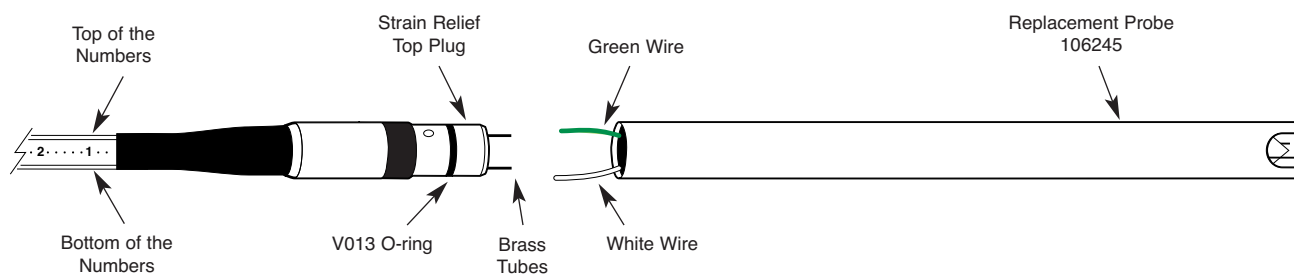


Tools and Materials Needed

1. 122/P1 Replacement Probe Assembly (#106245)
 - 3 Slot-head Screws 1.6 mm x 4 mm
 - V013 O-ring
2. Small Flat Screwdriver
3. Silicone-based Grease
4. Soldering Iron and Wire (where required)



Instructions

Before attempting to do anything to the Probe, please make sure the Interface Meter is properly grounded. Attach the grounding cable clip to a metal well casing or other suitable grounding rod.

Note: If you have received a new Probe with connectors attached to the two wires, and your existing Probe has soldered connections, cut the connectors from the replacement Probe in order to re-solder the connections to attach new Probe.

Probe Removal

1. Check to make sure the Interface Meter is turned off.
2. Remove the three slot-head countersunk screws from the top of the Probe just below the Strain Relief Top Plug.
3. Carefully and slowly pull the the Strain Relief Top Plug out of the Probe, twisting slightly back and forth to break the O-ring friction.
4. Take note of the polarity of the wires on the Strain Relief Top Plug. To ensure that the polarity is correct, place the Probe as shown in the above diagram, with the tape to the left and Probe to the right. You should be able to read the numbers on the tape in the upright position. The green wire attaches to the top brass tube (tube opposite the top of the numbers on the tape) and the white wire attaches to the bottom brass tube (tube opposite the bottom of the numbers on the tape).
5. Remove old Probe from the Strain Relief Top Plug. If your Interface Meter has a Serial No. lower than 1164, unsolder the green and white wires from the brass tubes, using the soldering iron to release the connection. If this is a newer model and brass tubes are covered with black heat shrink connectors, disconnect by gently pulling the connectors.
6. Remove the O-ring from the Strain Relief Top Plug.

Probe Replacement

7. Lubricate (e.g. silicon grease) the new V013 O-ring and the slotted area where the O-ring will be installed on the Strain Relief Top Plug. Install O-ring.
8. Making sure polarity is correct, connect the new Probe by pushing the connectors onto their appropriate brass tubes, or solder the contact if required.
9. Lubricate the inside bore of the Probe with Silicone grease.
10. Push the Strain Relief Top Plug into the Probe bore and align the three screw holes.
11. Install the three small screws, securing the attachment of the Probe and Strain Relief Top Plug. **Do not over-tighten the screws.**
12. With Probe in a glass of tap water and product (ie. lamp oil), turn the Interface Meter to the 'ON' position. A steady tone and light indicates a product, while an intermittent tone indicates water. If the buzzer or light do not activate, check the Probe connections.

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