

## HI76483 DISSOLVED OXYGEN PROBE INSTRUCTION GUIDE

Thank you for selecting a Hanna Instruments product. Read these instructions before using the probe. Consult the meter manual for information regarding use with the meter.

**IMPORTANT INFORMATION:** Handle this probe with care. The working end of this probe contains glass. Do not drop the probe on a hard surface as it will permanently damage the probe. During short term storage or transport use the hard plastic protective cap to protect the membrane and cathode area from unexpected bumps.

### Probe Preparation:

- 1) Carefully remove the cardboard shipping tube used to protect the probe during shipping. Save and use this should the probe be stored dry again.
- 2) Open the membrane package and remove one O-ring and one membrane cap.
- 3) Position O-ring in cap as indicated in diagram.
- 4) Rinse the membrane cap with a small amount of HI7041 electrolyte and discard. Fill membrane cap  $\frac{3}{4}$  full (above the O-ring), with the electrolyte solution.
- 5) Holding the membrane cap by the top, tap the side wall of the membrane cap to dislodge gas bubbles that may adhere to threads. Do not tap on the membrane directly as it may damage it.
- 6) Work over a sink; with the cathode facing down, slowly screw the cap counter clockwise until the threads are fully engaged. Electrolyte will overflow.
- 7) Rinse the outer body of the probe and inspect the membrane area for entrapped gas bubbles, or a bulging membrane. If these issues are seen, unscrew the cap, refill with electrolyte and tap the side of the cap to dislodge bubbles and reinstall.
- 8) Push the cable connector from the probe into the meter observing the key location and tighten the locking ring. Power the meter and verify probe recognition. Allow the probe conditioning function to occur. Permit additional time for polarization conditioning (15 minutes) when installing a new probe, new membrane cap and or fresh electrolyte.

### Measurement Setup:

- 1) Setup the probe for measurement.
- 2) Connect the probe to the meter and configure the SETUP parameters.
- 3) Calibrate the Dissolved Oxygen probe.
- 4) Take measurements using the DO probe.

### Storage:

- 1) Rinse off the HI76483 probe with deionized water to remove any traces of sample.
- 2) Using a soft tissue dry off.
- 3) For short term storage: Place "hard protective cap" over probe tip.
- 4) For long term storage; remove membrane cap and rinse sensor with deionized water. Tissue dry. Place entire sensor in shipping tube and store in a dry protected area to protect from breakage.

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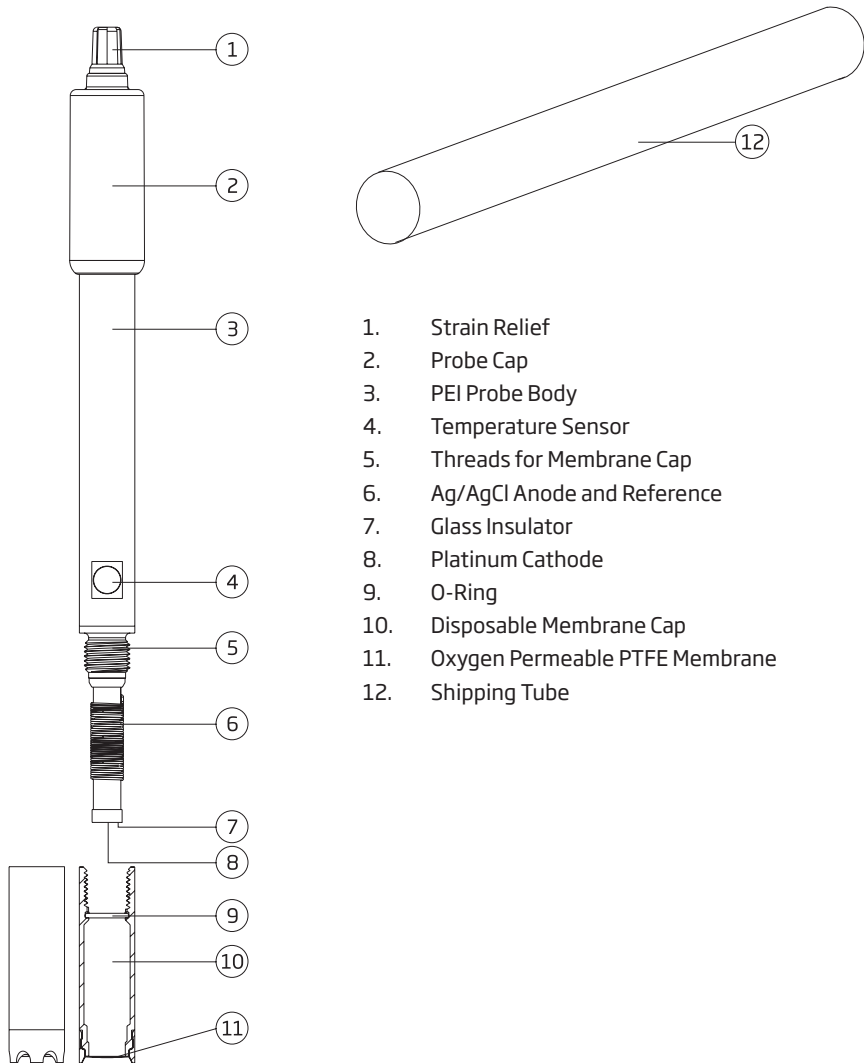
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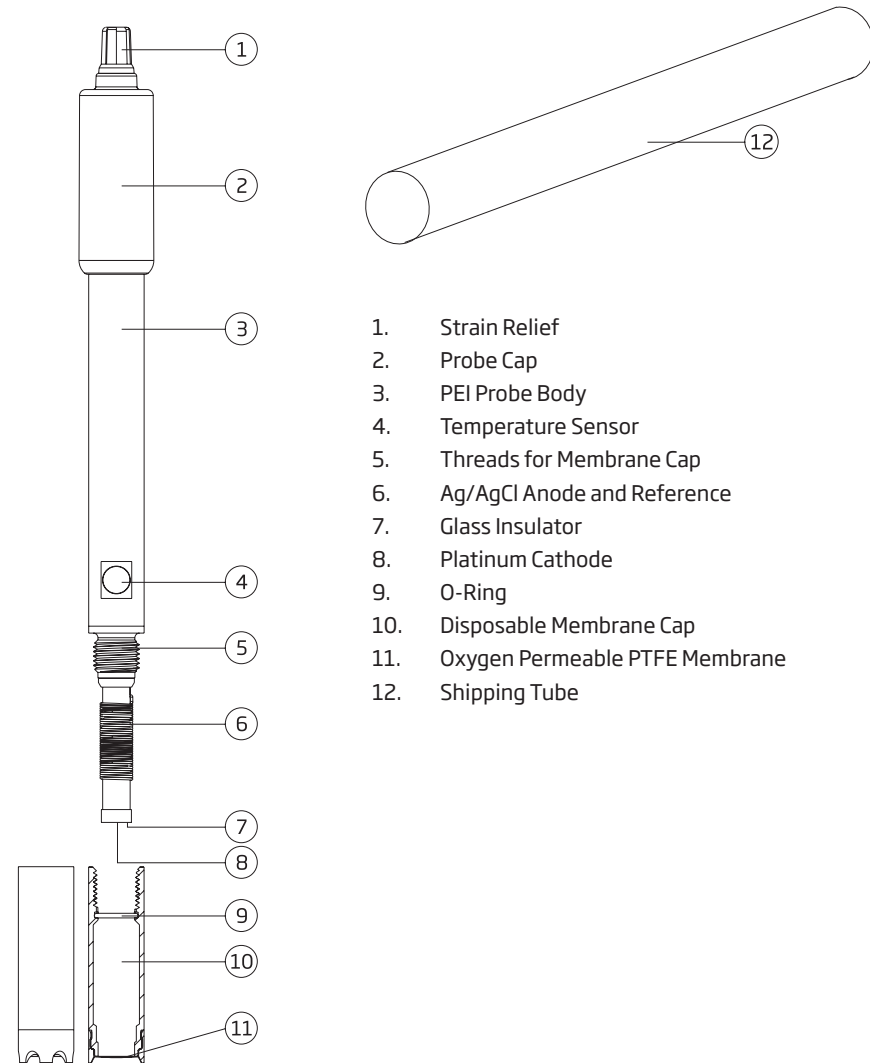
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2. Probe Cap
3. PEI Probe Body
4. Temperature Sensor
5. Threads for Membrane Cap
6. Ag/AgCl Anode and Reference
7. Glass Insulator
8. Platinum Cathode
9. O-Ring
10. Disposable Membrane Cap
11. Oxygen Permeable PTFE Membrane
12. Shipping Tube



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