



Specification:

Dimensions:

Electrode body: 12 mm diameter
Electrode head: 16 mm diameter
Total length: 145 mm

Operating Current Range:
0 to 10 μ A (Micro Ampere)

Output at zero oxygen:
less than 1% saturation

Membrane type:
Teflon

Standard Cable length:
2.0 m

Standard connector:
4 pin Mini-DIN

The ELIT 003 dissolved oxygen galvanic model is designed for laboratory and light field measurements.

A Temperature sensor (e.g. Pt1000) may be built-in to customers specific requirements.

Replacing the Teflon membrane is quick and easy. Simply unscrew the old membrane assembly, fill with electrolyte (filling solution) and screw it on to the electrode.

The electrode is supplied complete with 1 spare membrane assembly and a 30ml bottle of filling solution.

A Zero Oxygen Solution can be prepared with sodium sulphite reagent.

Operating Instructions:

Calibration:

1. Usually a 1-point Calibration is sufficient : 100 % D.O in air saturated water. The zero-drift is very low and zero-calibration can be omitted
2. Connect the electrode to the Dissolved Oxygen Monitor and switch on to allow the electrode to polarise for approximately 5 minutes.
3. Follow the instructions of the meter manual or follow the instructions on the screen when using a D.O. Monitoring software.
4. For a short-time store the Sensor with the supplied Storage bottle filled with distilled water.
5. For long-time storage remove the membrane assembly and the electrolyte, rinse everything with distilled water and blot dry.

Maintenance:

To inspect and clean the electrodes and replace the electrolyte (filling solution), remove the membrane assembly and clean the zinc anode and the silver cathode with a very fine polishing cloth and rinse with distilled water and alcohol.

If the Membrane is damaged (incorrect sensor readings), please replace the membrane assembly.