

Dissolved Oxygen Sensor

MS-G 482 Series (Origin USA)



This series of steam sterilizable electrodes are designed for economical use. They are constructed very similar to the standard pH electrodes, have a 10 and 12mm body, and can be ordered with the desired length. Length is determined by the insertion depth on the under side of the fermentor head plate to the tip of the probe. Glass disposable electrodes are available in galvanic styles to fill all requirements. The glass DO probes are available for laboratory fermentation, where sterilization takes place in a separate autoclave. The disposable Dissolved Oxygen Electrodes are compatible with most common oxygen amplifiers. Glass body oxygen electrodes are non temperature compensated and are required to be kept at a constant temperature. Calibration must be made at the same temperature as the controlled fermentation. The electrodes feature external filling tubes. Electrolyte can be added during use without removing the electrode from the vessel. The electrode membranes can be replaced very easily. However, some skill is involved in replacing them.

Technical Specifications:

Type	: Galvanic
Cathode	: AG
Anode	: PB
Body	: Glass
Diameter	: 10mm
Response	: 98% in 90 seconds
Temperature Compensation	: NO.
Temperature : Range	: 0 to 60°C
Sterilization Temp	: 130°C
Residual Signal	: 0.5 ±1 mV
Output (Medium Saturated With Air)	: 40 mV ± 5 mV