

ALS-ODO1

Optical Dissolved O2 sensor

The ALS-ODO1 Optical Dissolved O2 sensor offers the latest in dissolved oxygen measurement technology at an affordable price. This technology is based on the proven method where oxygen concentration is determined by the luminescent quenching of a dye embedded on the sensor surface. Unlike polarographic or galvanic sensors, this optical sensor does not require filling solutions, nor a “warm-up” period before use. It also requires almost no calibrations. Compensated internally for both temperature and pressure.

Mechanical

- Body Housing PVC / Stainles Steel 316
- Membrane PET
- Guard SS316
- Dimensions Overall Length: 226 mm
Insertion Length: 70.5 mm
Body OD: 42 mm
Insertion OD: 28 mm

Measurement

- DO range 0-20 mg/L
- DO Resolution 0.02 mg/L
- Response Time <60 seconds in most applications
- Temperature Use Range 0-65°C
- Temperature Compensation 0-65°C Range, 0.2°C Accuracy
- Pressure Compensation 40-115 kPa Range, +0.1%
- Signal Conditioning Cable ALS-BODO1



Features

- Minimal maintenance.
- Internal temperature and pressure compensation.
- No electrolyte solution to replenish.
- No anode or cathode to clean or replace.
- No calibration or replacement sensor cap for at least 1 year in most applications.
- No measurement drift.
- Sample flow not necessary for measurement accuracy.
- 2 year warranty on probe, 1.5 year warranty on sensor cap (see specific warranty statement)