



Parameters:

Dissolved Oxygen % and mg/L (optical)

Temperature

Optical benefits include:

no stirring required

no warm-up time

no electrolyte solutions

no electrode maintenance

no membranes

no interferences from gases such as hydrogen sulfide

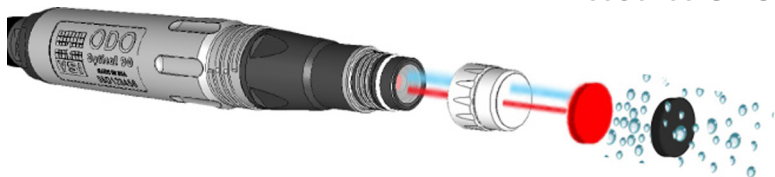
EcoSense ODO200 Optical DO/Temperature

Accurate, economical, handheld dissolved oxygen measurements using optical technology

The EcoSense® line of compact, handheld instruments provides the most accurate data in the most affordable format. The instruments feature an optical dissolved oxygen sensor, easy-to-use interface, low maintenance requirements, accurate and repeatable measurements, and low cost of ownership over the life of the product. The ODO200 simultaneously measures dissolved oxygen and temperature with the following features:

- Optical sensors mean worry free accurate measurements, holds cal for several months, no stirring required, no electrodes to clean or membranes to change and no effect from gases such as H₂S
- Automatic temperature compensation; Manual input for salinity and pressure compensation
- Weighted, 1-, 4- and 10-meter durable field probes/cables; detachable
- Low battery indicator with 100 hour battery life
- Replaceable optical sensor cap with 1-year warranty (12-18 month life)
- Auto shutoff function after 30 minutes of inactivity
- 50 data set reviewable memory
- 1-year instrument, cable and sensor cap warranty

The ODO200 is designed for quick, accurate results in an economical platform. The ability to measure DO optically along with temperature, in a simple, compact handheld allows the instrument to be used across multiple application sampling strategies in the field. With a one-year instrument, probe and sensor cap warranty, IP67 waterproof case and ease-of-use, the EcoSense ODO200 will fit your needs.



ODO200 System Specifications (Instrument, Probe, and Cable)

| | | |
|-------------------------------------|------------|--|
| Temperature | Range | 0 to 50°C (32 to 122°F) |
| | Resolution | 0.1°C |
| | Accuracy | ±0.3°C |
| Dissolved Oxygen (% Air Saturation) | Range | 0 to 200% |
| | Resolution | 1 or 0.1% |
| | Accuracy | ±1.5% of reading or ±1.5%; whichever is greater |
| Dissolved Oxygen (mg/L) | Range | 0 to 20 mg/L |
| | Resolution | 0.01 mg/L |
| | Accuracy | ±1.5% of reading or ±0.15 mg/L; whichever is greater |
| Barometer (mBar) | Range | 500 to 1125 mBar (manual input during calibration) |
| | Resolution | 1 mBar |
| Salinity (ppt) | Range | 0 to 40 ppt (manual input during calibration) |

ODO200 Additional Specifications

| | | |
|---------------------|--|--------------------------|
| Operating range | Temperature | 0 to 50° C (32 to 122°F) |
| | Relative Humidity | up to 95% |
| Certifications | RoHS, WEEE, CE, IP67 waterproof | |
| Size | | |
| Case | 78 mm wide (widest point) x 184 mm long x 37 mm deep (3.1 in. x 7.25 in. x 1.45 in.) | |
| Sensor | 19.05 cm long; 2.41 cm diameter (7.5 in. long; 0.95 in. diameter) | |
| Display | 50.8 mm wide x 38.1 mm high (2 in. x 1.5 in.) | |
| Weight with battery | 272 grams (0.6 lb.) | |
| Battery | One 9 volt included with purchase; 100 hour battery life in manual mode; low battery indicator | |
| Audio feedback | Yes, all keys | |
| Memory | 50 data set reviewable memory | |
| Auto shutoff | Automatically powers off after 30 minutes of inactivity | |
| Display | Segmented (shows DO in mg/L or % along with temperature) | |