

DO200A FIELD DISSOLVED OXYGEN METER

Field dissolved oxygen meters for easy use in harsh environments



- Salinity, pressure, and temperature compensation
- Three cable lengths to choose from
- Waterproof dissolved oxygen meter
- Automatic shutoff and low battery indicator
- 50 data set reviewable memory

Description

The model DO200A field dissolved oxygen meters are part of the EcoSense family of products. These meters are precise tools that measure temperature and dissolved oxygen in % and ppm (mg/L). Whether the need is a single monitoring instrument for temperature and DO for wastewater, surface water, or aquaculture, the DO200A is up to the task. The low overall cost of ownership includes an economical list price, competitively priced compared to other manufacturers, and rugged, reliability limiting down time. Designed for spot sampling applications, the meters will fill the need for simple, one-handed operation instrumentation. The meters calibrate easily in a saturated air environment and displays in % or ppm (mg/L) values, giving you the best DO data quality possible.

A built-in microprocessor stores, calculates, and compensates for all parameters related to dissolved oxygen determinations including DO electrode temperature characteristics, pressure compensation based on your input, and salinity compensation based on your input. They use one 9V battery which provides up to 500 hours of battery life. Re-calibration is not required when power is restored to the field dissolved oxygen meter. The front of the field dissolved oxygen meter has a large LCD that displays DO %, ppm, and temperature simultaneously along with user prompts and mode indicators. The meters use a polarographic electrode with convenient screw-on cap membranes. Screw on PE membranes make membrane changes easier than ever. The PE membranes also have faster response times and reduce stirring dependence greatly.

Specifications

Dissolved Oxygen Range: 0 to 200.0% / 0 to 20.00ppm (mg/L)
Dissolved Oxygen Accuracy: ±2% of the reading or ±0.2 ppm / ±2% air saturation, whichever is greater
Dissolved Oxygen Resolution: 0.1% / 0.01 mg/L
Temperature Range: 21° to 115°F (-6.0° to 46.0°C)
Temperature Accuracy: ±0.54 °F (±0.3 °C) ±1 digit
Temperature Resolution: 0.2 °F (0.1 °C)
Pressure Compensation: 600 to 1100 mBar (450 to 825 mmHg)
Salinity Compensation: From 0.0 to 40.0 ppt
ATC Probe: Thermistor, 10kΩ at 77 °F (25 °C)
Display: LCD
Calibration Backup: Yes
Audio Feedback: Yes, on all touch keys
Battery: One 9V battery, included
Battery Life: ~ 500 hours (low battery indicator)
Memory: 50 data set reviewable memory
Operating Temperature Range: 32 to 122°F (0 to 50°C)
Operating Relative Humidity Range: up to 95%
IP Rating: IP67 when connector cap installed
Dimensions (LxWxH): 7.3x3x1.5 inch (18.7x7.6x3.8cm)
Weight: 0.6 lb (270g) with batteries
Warranty: 1 year, meter, electrode, and cable
Test certificates: CE

Options and Accessories

DO200ACC-01 DO Meter Kit (PN# 606071)
 Includes meter, 3.3 ft (1 m) cable and attached DO/temperature probe, and carrying case

DO200ACC-04 DO Meter Kit (PN# 606072)
 Includes meter, 13.1 ft (4m) cable and attached DO/temperature probe, and carrying case

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