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EcoSense DO200A Dissolved Oxygen/Temperature

Accurate, economical, handheld measurements

The EcoSense® line of compact, handheld instruments provides the most accurate data in the most affordable format. The instruments feature an easy-to-use interface, one-hand operation, IP67 waterproof case, and low cost of ownership over the life of the product. The DO200A simultaneously measures dissolved oxygen (% air saturation and ppm) and temperature with the following features:

Parameters:

Dissolved Oxygen % and ppm
(electrochemical)

Temperature

BOD (biochemical oxygen demand)

- IP67 Waterproof housing
- Automatic temperature compensation
- 1-year instrument warranty
- 4- and 10-meter field cables available or lab self-stirring BOD probe
- Manual input for salinity and pressure compensation
- Low battery indicator with 500 hour battery life
- Screw-on cap membranes with low stirring and fast response
- Auto shutoff function after 30 minutes of inactivity
- 50 data set memory

The EcoSense DO200A is also available as a kit with a 1-, 4- or 10- meter cable.



The DO200A is designed for quick, accurate results in an economical platform. The ability to measure DO and temperature in a simple, compact handheld allows the instrument to be used across multiple application sampling strategies from the field to the lab with the optional BOD probe. With a one-year instrument and electrode warranty, waterproof case and ease-of-use, the EcoSense DO200A will fit your needs.

DO200A System Specifications (Instrument, Probe, and Cable)

Temperature	Range	-6 to 46°C (21.2 to 114.8°F)
	Resolution	0.1°C
	Accuracy	±0.3°C ±1 digit
Dissolved Oxygen % Saturation	Range	0 to 200%
	Resolution	0.1% air saturation
	Accuracy	±2% of the reading or ±2% air saturation, whichever is greater
Dissolved Oxygen ppm (mg/L)	Range	0 to 20 ppm
	Resolution	0.01 ppm
	Accuracy	±2% of the reading or ±0.2 ppm, whichever is greater

DO200A Additional Specifications

Operating range

Temperature	0° to 50° C (32 to 122°F)
Relative Humidity	up to 95%

Water rating IP67 waterproof

Size 78 mm wide (widest point) x 184 mm long x 37 mm deep (3.1 in. x 7.25 in. x 1.45 in.)

Weight with battery 272 grams (0.6 lb.)

ATC Probe Thermistor, 10kΩ / 25° C

Battery One 9 volt included with purchase; 500 hour battery life

Salinity compensation 0.0 to 40.0 ppt (manual input during calibration)

Pressure compensation 600 to 1100 millibar (450 to 825 mmHg) (manual input during calibration)

Calibration back-up Yes

Audio feedback Yes, all keys

Memory 50 data set reviewable memory

Auto shutoff Automatically powers off after 30 minutes of inactivity

DO200A Ordering Information (order items separately or as a kit)

DO200A	DO200A Dissolved oxygen and temperature instrument only
DO200ACC-01	DO200A instrument, 1-meter cable and probe, hard-sided carrying case kit
DO200ACC-04	DO200A instrument, 4-meter cable and probe, hard-sided carrying case kit
DO200ACC-10	DO200A instrument, 10-meter cable and probe, hard-sided carrying case kit
200-1	1-meter dissolved oxygen and temp field cable and probe only
200-4	4-meter dissolved oxygen and temp field cable and probe only
200-10	10-meter dissolved oxygen and temp field cable and probe only
200-BOD	Stirring BOD probe, 115V, 1.5-m cable
200-BOD-230V	Stirring BOB probe, 230V, 1.5-m cable
606036	Hard-sided, plastic carrying case with form fitted foam insert; 31.75 x 22.86 x 9.4 cm (12.5 x 9 x 3.7 in)
5908	Cap membrane kit, 1.25 mil PE with electrolyte solution, 6 each (yellow cap)

YSI

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