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EcoSense® DO200M Dissolved Oxygen/Temperature Accurate, economical, handheld instrument

The YSI EcoSense® instruments provide accurate data in the most affordable package. The "M" stands for memory and the instruments feature a real-time clock, larger memory and simple data transfer to a PC with a built-in USB port.

The DO200M is easy-to-use and has a fast measurement response, allowing you to collect accurate data within seconds.

The DO200M simultaneously measures dissolved oxygen (% air saturation or mg/L) and temperature with the following features:

- Rugged, waterproof, field-worthy case. IP-67 rated.
- Durable field probe and cables made in the USA. 1-, 4- and 10-meter field cables available.
- Self-stirring laboratory BOD probe, made in the USA.
- Waterproof micro-USB port for transferring data to PC; no software required.
- Holds 250 data sets; no need to write down data.
- Real-time clock for date/time stamp of saved data.
- User-selectable re-calibration prompt provides reminder to calibrate.
- Automatic temperature compensation; manual input for salinity and barometric pressure compensation.
- 1-year warranty on instrument and probe/cable assembly.
- Screw-on cap membranes with a low stirring requirement and the fastest response time available.

Parameters:

Dissolved Oxygen (electrochemical)

% and mg/L

Temperature

°C

BOD (biochemical oxygen demand)



The DO200M 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 field applications. Also suitable for the lab, the optional BOD probe can be used for compliance reporting of DO, BOD, and CBOD.

EcoSense DO200M System Specifications (Instrument, Probe, and Cable)

Temperature °C	Range	-6 to 46°C
	Resolution	0.1°C
	Accuracy	±0.3°C
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 mg/L	Range	0 to 20 mg/L
	Resolution	0.01 mg/L
	Accuracy	±2% of the reading or ±0.2 mg/L, whichever is greater

EcoSense DO200M Additional Specifications

Operating range	Temperature	0 to 50°C (32 to 122°F)
	Relative Humidity	up to 95%
Waterproof rating	IP-67 waterproof	
Handheld 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	280 grams (0.6 lb)	
ATC Probe	Thermistor, 10kΩ/25°C	
Battery	One 9 volt included with purchase; 150 hour battery life; Real Time Clock (RTC) powered by non-replaceable CR2032 coin battery (3V)	
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	
Audio Feedback	Yes, all keys	
Auto shutoff	Automatically powers off after 30 minutes of inactivity	
Memory (data sets)	250 (1 data set = DO, temp, date/time)	
Re-calibration Timer	User-selectable; from 0 to 60 days	
Real-Time Clock (RTC)	Yes, for date/time stamp of saved data and calibration timer	
USB Port	Yes, built-in waterproof micro-USB for downloading data to a PC. No software required. USB cable included with instrument	

EcoSense DO200M Ordering Information (order items separately or as a kit)

601027	DO200M meter only - includes manual, USB cable and 9 volt battery
601028	Kit: DO200M, 1 meter cable/probe assembly, carrying case, 5908 cap membrane kit
601029	Kit: DO200M, 4 meter cable/probe assembly, carrying case, 5908 cap membrane kit
601030	Kit: DO200M, 10 meter cable/probe assembly, carrying case, 5908 cap membrane kit
606037	1-meter dissolved oxygen and temperature field cable and probe only
605352	4-meter dissolved oxygen and temperature field cable and probe only
605353	10-meter dissolved oxygen and temperature field cable and probe only
609201	Stirring BOD 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)
605306	5908 cap membrane kit, 1.25 mil PE with electrolyte solution, 6 each (yellow cap)



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Who's
Minding
the Planet?



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