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SPECIFICATIONS

DOCUMENT #W62-01

EcoSense ODO200 Optical DO/Temperature

Accurate, economical, handheld dissolved oxygen measurements using optical technology

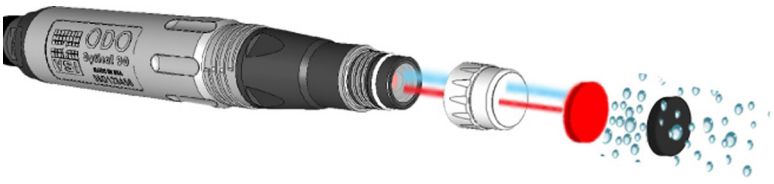
The EcoSense® line of compact, handheld instruments provides the most accurate data in the most affordable format. The instruments feature an optical dissolved oxygen sensor, easy-to-use interface, low maintenance requirements, accurate and repeatable measurements, and low cost of ownership over the 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 H_2S
- 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

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

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.



YSI.com/ODO200

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)	

ODO200 Ordering Information (order items separately or as a kit)

ODO200	606329	EcoSense Optical DO and Temp (Instrument Only)
ODO200CC-01	606324	ODO200 instrument, 1-meter cable and probe, hard-sided carrying case kit
ODO200CC-04	606325	ODO200 instrument, 4-meter cable and probe, hard-sided carrying case kit
ODO200CC-10	606305	ODO200 instrument, 10-meter cable and probe, hard-sided carrying case kit
EcoODO-01	606327	1-meter dissolved oxygen and temp field probe and cable only
EcoODO-04	606328	4-meter dissolved oxygen and temp field probe and cable only
EcoODO-10	606304	10-meter dissolved oxygen and temp field probe and cable only
282	606330	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)
ODO200-CAP	606326	Replaceable DO Sensor Cap

YSI
1725 Brannum Lane, Yellow Springs, OH 45387
Tel +1 937.767.7241 800.897.4151 (US)
environmental@ysi.com
YSI.com
@YSIinc

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