



YSI Environmental

## YSI 550A Dissolved Oxygen Instrument

### *Loaded with improved functionality*

Looking for a rugged, field-worthy instrument for measuring dissolved oxygen? The new YSI 550A DO instrument features a waterproof (IP-67), impact-resistant case and innovative field-replaceable DO electrode modules. Measure dissolved oxygen and temperature simultaneously using YSI's proven polarographic technology for oxygen and YSI Temperature Precision™ thermistors, the planetwide standard for accuracy. Our new PE membranes provide faster response times with less stirring dependence - saving time with every reading!



- Faster response time!
- Waterproof! Meets IP-67 specifications
- Field-replaceable DO electrode modules
- Screw-on cap membranes
- PE membranes lessen stirring dependence!
- Over 2000 hours battery life
- Calibrate in either mg/L or % saturation

- User-selectable temperature units (°C or °F)
- 12, 25, 50 and 100-foot cable lengths
- Manual salinity input from 0 to 70 ppt
- **Three-year** instrument warranty, one-year on the DO module!

Pure  
Data for a  
Healthy  
Planet.®

*Longest battery  
life in the industry!*

### **Packed with features**

Measurements are fast and easy with one-hand operation, an easy-to-use backlit display, low-battery indicator, automatic push-button calibration, and a weighted, quick-sinking probe. The YSI 550A DO has a built-in calibration chamber, direct salinity, temperature, and altitude compensation. The instrument provides simultaneous readings of oxygen and temperature. **DO readings include our expanded range of 0-50 mg/L!**

[www.YSI.com](http://www.YSI.com)



To order, or for more information, contact YSI Environmental.

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**550A System Specifications (Instrument, Sensor, Cable)**

	Range	Resolution	Accuracy
Dissolved Oxygen % Saturation	0 to 500%	0.1% air saturation or 1%; selectable	0 to 200%: ±2% of reading or 2% air saturation, whichever is greater; 200 to 500%: ±6% of reading
Dissolved Oxygen mg/L	0 to 50 mg/L	0.01 mg/L or 0.1 mg/L; selectable	0 to 20 mg/L: ± 0.3 mg/L or 2% of reading, whichever is greater; 20 to 50 mg/L: ±6% of reading
Temperature (°C or °F)	-5 to +45°C	0.1°C	±0.3°C

Medium	Fresh, sea, or polluted water
Dissolved Oxygen Sensor	Steady-state polarographic
Dissolved Oxygen Probe	Field-replaceable module
Parameter Compensation	Automatic temperature compensation for dissolved oxygen Automatic salinity compensation (0-70 ppt) for dissolved oxygen Altitude compensation for calibration
Size	4.7 in. width; 9 in. length (11.9 cm x 22.9 cm)
Weight with batteries	2 lb. (0.91 kg)
Power	4 alkaline C cells
Battery Life	Over 2000 hours at 25°C
Cables	12, 25, 50, or 100- foot lengths
Other Features	Waterproof to IP-67 High-impact resistance Push-button calibration Built-in calibration chamber Large, backlit display Low battery indicator on display Manual salinity input CE compliance
Warranty	3-year for the instrument 1-year for the DO module

**550A Ordering Information**

550A-12, 25, 50 or 100	Instrument with 12, 25, 50 or 100-foot cable and probe
550A-12CC, 25CC, 50CC, or 100CC	Instrument with 12, 25, 50 or 100-foot cable and probe with carrying case
5908	Membrane kit, 1.25 mil PE (6 caps and bottle of KCl)
559	User-replaceable DO electrode
5085	Hands-free harness
5065	Form-fitted case with shoulder strap
5060	Soft-sided carrying case with storage