



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
- **New** 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!**

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YSI 550A DO Specifications	
Medium	Fresh, sea, or polluted water
Range	0 to 500% air saturation 0 to 50 mg/L
Resolution	0.1% air saturation or 1% selectable 0.01 mg/L or 0.1 mg/L selectable
Accuracy	0-200 % : ±2% air sat. or ±2% of reading, whichever is greater 200-500% : ±6% of reading 0-20 mg/L : ±0.3 mg/L or ±2% of reading, whichever is greater 20-50 mg/L : ±6% of reading
Dissolved Oxygen Sensor	Steady-state polarographic
Dissolved Oxygen Probe	Field-replaceable module
Temperature Units	Celsius or Fahrenheit, user selectable
Temperature Specifications	Range: -5 to 45°C Resolution: 0.1°C Accuracy: ±0.3°C
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
Accessories	5908, membrane kit, 1.25 mil PE (6 caps and bottle of KCl) 559, replaceable DO module 5238, reconditioning kit 5085, hands-free harness 5065, form-fitted case with shoulder strap 5060, soft-sided carrying case with storage

