





Pure
Data for a
Healthy
Planet.

Longest battery life in the industry!

## **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!

## 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 inlcude our expanded range of 0-50 mg/L!



## Y S I Environmental



Pure Data for a Healthy Planet.™

To order or for more information, contact YSI Environmental.

800 897-4151

www.YSI.com

YSI Environmental 937 767 7241 Fax 937 767 9353 environmental@YSI.com

Endeco/YSI 508 748 0366 Fax 508 748 2543 environmental@YSI.com

YSI Environmental European Support Centre 44 1730 710 615 Fax 44 1730 710 614 europe@YSI.com

YSI (Hong Kong) Limited 852 2891 8154 Fax 852 2834 0034 hongkong@YSI.com

YSI/Nanotech (Japan) 81 44 222 0009 Fax 81 44 222 1102 nanotech@YSI.com

YSI (Qingdao) Limited 86 532 389 6648 Fax 86 532 389 6647 china@YSI.com



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| YSI 550A DO Specifi               | cations  |
|-----------------------------------|--|
| 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                          | $0-200\%$ : $\pm 2\%$ air sat. or $\pm 2\%$ of reading, whichever is greater |
|                                   | 200-500% : ±6% of reading  |
|                                   | 0-20 mg/L : $\pm 0.3$ mg/L or $\pm 2\%$ 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                                       |
| <b>Temperature Specifications</b> | 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                                  |

For more information on YSI's full line of products and services, please check our website at www.YSI.com.