



# FACT SHEET

## YSI Pro2030

A durable and easy to use handheld dissolved oxygen / conductivity meter that automatically compensates for changes in salinity values.



**Simplified dissolved oxygen / conductivity meter with new, unique features that will save time and money**

### Advantages

- Measures dissolved oxygen, salinity, conductivity, specific conductance, total dissolved solids (TDS), barometric pressure and temperature.
- Durable and intuitive making it easy to use
- Uses MS (Military Spec) cable connector
- Choice of field DO sensors: Polarographic or Galvanic
- Rugged, weighted field cables available in lengths from 1 to 30 metres
- Cable management kit included with all cables over 4 m
- Unique 'Quick Cal' feature for dissolved oxygen air calibrations
- User replaceable sensors for ease of operation
- Completely waterproof to 1 metre submersion
- 3-year instrument; 2-year cable; 1-year Polarographic/6-month Galvanic sensor warranty
- Stores 50 data sets to ensure data integrity
- Impact-resistant with waterproof case
- Glow in the dark keypad and graphic, backlit display
- Quick response times
- Built in 4-electrode conductivity sensor provides automatic compensation for changes in salinity levels.

### Disadvantages

- Equipment needs to be kept well maintained.

### Accessories

- Cable Management Kit
- Pro Series Galvanic DO Sensor
- Pro Series Polarographic DO Sensor
- DO Cap Membrane Kit
- YSI 5906 screw-on cap dissolved oxygen membranes.
- DO Cap Membrane Kit
- Pro Series DO/Conductivity Cable.

### Specifications

- Dimensions: Width - 3.25 in/8.3 cm; Length - 8.5 in/21.6 cm; Depth - 2.25 in/5.7 cm; Weight - 1.05 lbs/475 g
- Power: 2 x C-size alkaline batteries; 400 hours; low battery indicator
- Memory: 50 data sets with ID
- Case: IP-67 waterproof even without battery cover; rubber-over molded, impact resistant; drop tested up to 1-meter; military spec waterproof connector
- Salinity Input Range: 0-70 ppt.

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## Instrument Specifications

### Dissolved Oxygen (% sat)

- Range: 0 to 500% air saturation
- Resolution: 0.1% or 1% air saturation (user selectable)
- Accuracy: 0 to 200% air saturation,  $\pm 2\%$  of the reading or  $\pm 2\%$  air saturation, whichever is greater; 200 to 500%,  $\pm 6\%$  of the reading.

### Dissolved Oxygen (mg/L)

- Range: 0 to 50 mg/L
- Resolution: 0.01 or 0.1 mg/L (user selectable)
- Accuracy: 0 to 20 mg/L,  $\pm 2\%$  of the reading or  $\pm 0.2$  mg/L, whichever is greater; 20 to 50 mg/L,  $\pm 6\%$  of the reading.

### Conductivity ( $\mu\text{S}$ , mS)

- Range: 0 to 200 mS (auto range)
- Resolution: 0.0001 to 0.1 mS (range dependent)
- Accuracy: 4-m cable,  $\pm 0.5\%$  of reading or 0.001 mS/cm, whichever is greater; 30-m cable,  $\pm 1\%$  of reading or 0.001 mS/cm, whichever is greater.

### Salinity (ppt, PSU)

- Range: 0 to 70 ppt
- Resolution: 0.1 ppt
- Accuracy:  $\pm 1.0\%$  of reading or 0.1 ppt, whichever is greater.

### TDS (kg/L, g/L) calculated from conductivity and temperature

- Range: 0 to 100 g/L TDS constant range 0.30 to 1.00 (0.64 default)
- Resolution: 0.001, 0.01, 0.1 g/L
- Accuracy: dependent on conductivity and temperature values.

### Temperature (oC, oF,)

- Range:  $-5$  to  $55^\circ\text{C}$  ( $0$  to  $45^\circ\text{C}$ ; DO compensation range for mg/L)
- Resolution:  $0.1^\circ\text{C}$
- Accuracy:  $\pm 0.3^\circ\text{C}$ .

### Barometer (mmHg, inHg, mbar, psi, kPa)

- Range: 500 to 800 mmHg
- Resolution: 0.1 mmHg
- Accuracy:  $\pm 5$  mmHg within  $\pm 15^\circ\text{C}$  of calibration temperature.

## Alternatives

For measuring Dissolved Oxygen the YSI ProODO™ handheld DO meter is extremely durability or the YSI Pro Plus handheld multiparameter measures a variety of combinations for dissolved oxygen, conductivity, specific conductance, salinity, resistivity, total dissolved solids (TDS), pH, ORP, pH/ORP combination, ammonium (ammonia), nitrate, chloride and temperature.