



# YSI 6600 Sonde

Featuring 75-day battery life — the longest in the industry — the YSI 6600 has a second optical port to enable simultaneous use of self-cleaning chlorophyll or rhodamine and turbidity. It will simultaneously log at programmable intervals the entire suite of YSI parameters and store 150,000 individual parameter readings.



- 75-day battery life
- Deep depth to 656 feet
- Two optical ports for self-cleaning turbidity and chlorophyll or rhodamine probes
- Open-channel flow

### Long Deployment

An important advantage of the YSI 6600 is the capability for long-term monitoring and profiling. In addition to long battery life, the YSI 6600 measures dissolved oxygen with YSI's exclusive Rapid Pulse™ stirring-independent sensor. Chlorophyll, rhodamine, and turbidity are measured with self-cleaning sensors that are not affected by variations in ambient light.

The oxygen sensor measures up to 50 mg/L, broad enough for super-saturated water. YSI's chlorophyll sensor provides a convenient, *in situ* monitoring system for detecting chlorophyll content in phytoplankton, which can be used to predict algae blooms and nutrient loading in water. The rhodamine sensor allows for time-of-travel and mixing/dispersion zone studies while logging water quality parameters.

### Easy-to-Use Data Analysis

Included with the YSI 6600 is EcoWatch® for Windows® software, providing user-friendly data analysis and statistics. This exclusive YSI tool is in English and French, as is the instrument's software.

Pure Data for a Healthy Planet.™

**More Power and More Parameters for Long-Term Monitoring and Profiling!**

### Instrument Specifications

Medium	Fresh, sea, or polluted water
Temperature	-5 to +45°C
Computer interface	RS-232, SDI-12
Logging memory	384K; logs at programmable intervals and stores 150,000 readings
Software	EcoWATCH for Windows included: PC-compatible, 3.5" disk drive; 386 processor or better running Windows 3.1 or later; 4 MB RAM minimum; English and French.
Size	3.5" OD x 20.4" length (8.9 x 52 cm)
Weight with batteries :	6 lbs (2.7 kg)
Internal power supply	8 C alkaline cells
Battery life	75 days at 15-minute sampling intervals at 25°C
External power supply	12 VDC



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

ISO 9001  
ISO 14001

EcoWatch, Who's Minding the Planet?, Rapid Pulse, and Pure Data for a Healthy Planet are trademarks of YSI Incorporated. Windows is a registered trademark of Microsoft Corporation.

Printed in USA 0103 E33-02



YSI incorporated  
Who's Minding the Planet?™

Typical Performance Specifications		
<b>Dissolved Oxygen % Saturation</b>	Range Resolution Accuracy	0 to 500% 0.1% 0 to 200%: ±2% of reading or 2% air saturation, whichever is greater; 200 to 500%: ±6% of reading
<b>Dissolved Oxygen mg/L</b>	Range Resolution Accuracy	0 to 50 mg/L 0.01 mg/L 0 to 20 mg/L: ±2% of reading or 0.2 mg/L, whichever is greater; 20 to 50 mg/L: ±6% of reading
<b>Conductivity †</b>	Range Resolution Accuracy	0 to 100 mS/cm 0.001 to 0.1 mS/cm (range-dependent) ±0.5% of reading + 0.001 mS/cm
<b>Temperature</b>	Range Resolution Accuracy	-5 to +45°C 0.01°C ±0.15°C
<b>pH</b>	Range Resolution Accuracy	0 to 14 units 0.01 unit ±0.2 unit
<b>ORP</b>	Range Resolution Accuracy	-999 to +999 mV 0.1 mV ±20 mV
<b>Salinity</b>	Range Resolution Accuracy	0 to 70 ppt 0.01 ppt ±1% of reading or 0.1 ppt, whichever is greater
<b>Shallow Depth</b>	Range Resolution Accuracy	0 to 30 feet (0 to 9 m) 0.001 feet (0.001 m) ±0.06 feet (±0.02 m)
<b>Medium Depth</b>	Range Resolution Accuracy	0 to 200 feet (0 to 61 m) 0.001 feet (0.001 m) ±0.4 feet (±0.12 m)
<b>Deep Depth</b>	Range Resolution Accuracy	0 to 656 feet (0 to 200 m) 0.001 feet (0.001 m) ±1 feet (±0.3 m)
<b>Vented Level</b>	Range Resolution Accuracy	0 to 30 feet (0 to 9 m) 0.001 feet (0.0003 m) ±0.01 feet (0.003 m)
<b>Turbidity</b>	Range Resolution Accuracy Depth	0 to 1,000 NTU 0.1 NTU ±5% of reading or 2 NTU, whichever is greater 200 feet (60.96 m)
<b>Chlorophyll</b>	Range Resolution Depth	0 to 400 µg/L 0.1 µg/L Chl; 0.1%FS 200 feet (60.96 m)
<b>Rhodamine</b>	Range Resolution Accuracy Depth	0 to 200 µg/L; 0 to 100% FS 0.1 µg/L; 0.1% FS ±1.0 µg/L; 5% of reading 200 feet (60.96 m)
<b>Ammonium / Ammonia*</b>	Range Resolution Accuracy Depth	0 to 200 mg/L-N 0.001 to 1 mg/L-N (range-dependent) ±10% of reading or 2 mg/L, whichever is greater 50 feet (15.2 m)
<b>Nitrate *</b>	Range Resolution Accuracy Depth	0 to 200 mg/L-N 0.001 to 1 mg/L-N (range-dependent) ±10% of reading or 2 mg/L, whichever is greater 50 feet (15.2 m)
<b>Chloride *</b>	Range Resolution Accuracy Depth	0 to 1,000 mg/L 0.001 to 1 mg/L (range-dependent) ±15% of reading or 5 mg/L, whichever is greater 200 feet (60.96 m)
<b>Open-Channel Flow</b>	Calculated measurement, requires vented level	

† Report outputs of specific conductance (conductivity corrected to 25° C), resistivity, and total dissolved solids are also provided. These values are automatically calculated from conductivity according to algorithms found in *Standard Methods for the Examination of Water and Wastewater* (ed 1989).

\* Freshwater only