



The YSI 600XL and 600XLM.

## YSI 600XL and 600XLM Sondes

### Measure multiple parameters simultaneously

The YSI 600XL and YSI 600XLM compact sondes measure eleven parameters simultaneously:

DO (% and mg/L)	ORP
Temperature	Depth or Level
Conductivity	Total Dissolved Solids*
Specific Conductance*	Resistivity*
Salinity*	pH

### Connect with Data Collection Platform

Either sonde can easily connect to the YSI 6200 DAS (Data Acquisition System), or your own data collection platform, via SDI-12 for remote and real-time data acquisition applications.

### In addition

The YSI 600XLM is an economical logging system for long-term, *in situ* monitoring and profiling. It will log all parameters at programmable intervals and store 150,000 readings. At one-hour intervals, the instrument will log data for about 75 days utilizing its own power source. The 600XL can also be utilized in the same manner with user-supplied external power.

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Data for a  
Healthy  
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**Compatible with  
EcoWatch® for  
Windows® software for  
data analysis and more!**

- Either sonde fits down 2-inch wells
- Horizontal measurements in very shallow waters
- Stirring-independent Rapid Pulse™ dissolved oxygen sensor
- Field-replaceable sensors
- Easily connects to data collection platforms such as the YSI 6200 DAS
- Available with detachable cables to measure depth up to 200'
- Compatible with YSI 650 Multiparameter Display System
- Use with the YSI 5083 flow cell for groundwater applications

\* Calculated parameters.



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ISO 9001  
ISO 14001

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## 600XL & 600XLM Sensor Specifications

<b>Dissolved oxygen % saturation</b>	Range	0 to 500%
	Resolution	0.1%
	Accuracy	0 to 200%: ±2% air sat; 200 to 500%: ±6% air sat
<b>Dissolved oxygen mg/L</b>	Range	0 to 50 mg/L
	Resolution	0.01 mg/L
	Accuracy	0 to 20 mg/L: ±0.2 mg/L; 20 to 50 mg/L: ±0.6 mg/L
<b>Conductivity †</b>	Range	0 to 100 mS/cm
	Resolution	0.001 to 0.1 mS/cm (range-dependent)
	Accuracy	±0.5% of reading + 0.001 mS/cm
<b>Temperature</b>	Range	-5 to +45°C
	Resolution	0.01°C
	Accuracy	±0.15°C
<b>pH, includes most low-ionic-strength measurements</b>	Range	0 to 14 units
	Resolution	0.01 unit
	Accuracy	±0.2 unit
<b>Non-vented depth, shallow</b>	Range	0 to 30 feet (0 to 9 m)
	Resolution	0.001 foot (0.001 m)
	Accuracy	±0.06 foot (±0.02 m)
<b>Non-vented depth, medium</b>	Range	0 to 200 feet (0 to 61 m)
	Resolution	0.001 foot (0.001 m)
	Accuracy	±0.4 foot (±0.12 m)
<b>Vented level</b>	Range	0 to 30 feet (0 to 9 m)
	Resolution	0.001 feet (0.0003 m)
	Accuracy	0 to 10 feet (0 to 3 m): ±0.01 feet (0.003 m) 10 to 30 feet (3 to 9 m): ±0.06 feet (0.01 m)
<b>ORP</b>	Range	-999 to +999 mV
	Resolution	0.1 mV
	Accuracy	±20 mV
<b>Salinity</b>	Range	0 to 70 ppt
	Resolution	0.01 ppt
	Accuracy	±1% of reading or 0.1 ppt, whichever is greater



### YSI 600XLM sonde

**Sampling Medium:** Fresh, sea or polluted water

**Temperature:** -5 to +45°C

**Computer interface:** RS-232, SDI-12

**Logging memory:** 384K flash ROM logs ~150,000 readings

**Software:** PC-compatible, Windows® 95 or higher;  
256K RAM minimum.

Graphics card recommended.

**Size:** 1.65" dia., 21.3" long (4.32 x 54.1 cm)

**Weight with batteries:** 1.5 lbs (0.7 kg)

**External power supply:** 12 VDC

**Internal power supply:** 4 AA-alkaline cells capable  
of logging for 75 days at one-hour intervals at 25°C

### YSI 600XL sonde

**Sampling Medium:** Fresh, sea or polluted water

**Temperature:** -5 to +45°C

**Computer interface:** RS-232, SDI-12

**Software:** PC-compatible, Windows® 95  
or higher; 256K RAM minimum.

Graphics card recommended.

**Size:** 1.65" dia., 16" long, 1.3 lbs.

(4.19 x 35.6 cm, 0.49 kg)

**External power supply:** 12 VDC

YSI Model 5083 flow cell and 600XL. This is an ideal  
combination for groundwater applications.

† 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).