Y S I **Environmental**

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.

The YSI 600XL and 600XLM.

Pure Data for a Healthy Planet.™

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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600XL & 600XLM Sensor Specifications

Dissolved oxygen % saturation	Range	0 to 500%
	Resolution	0.1%
	Accuracy	0 to 200%: ±2% air sat; 200 to 500%: ±6% air sat
Dissolved oxygen mg/L	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
Conductivity	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
Temperature	Range	-5 to +45°C
	Resolution	0.01°C
	Accuracy	±0.15°C
pH, includes most low-ionic-strength measurements	Range	0 to 14 units
	Resolution	0.01 unit
	Accuracy	±0.2 unit
Non-vented depth, shallow	Range	0 to 30 feet (0 to 9 m)
	Resolution	0.001 foot (0.001 m)
	Accuracy	±0.06 foot (±0.02 m)
Non-vented depth, medium	Range	0 to 200 feet (0 to 61 m)
	Resolution	0.001 foot (0.001 m)
	Accuracy	±0.4 foot (±0.12 m)
Vented level	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)
ORP	Range	-999 to +999 mV
	Resolution	0.1 mV
	Accuracy	±20 mV
Salinity	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.