

# *Economical multi-parameter logging with a small sonde: YSI 600xLM*

*Quick-change batteries*

*Long battery life*

*For all water quality testing applications*

*Stirring-independent dissolved oxygen*

*Field-replaceable probes*

dissolved oxygen  
non-vented level  
temperature  
conductivity  
vented level  
salinity  
level  
ORP  
pH



**The YSI 600xLM provides economical logging in a small package for both surface water and groundwater. It measures a range of fundamental parameters, including oxygen with our Rapid-Pulse stirring-independent sensor and highly accurate vented level.**

## **Economical logging system**

**It will log all parameters at programmable intervals and store 150,000 readings. At 15-minute intervals, it will log data for about 30 days.**

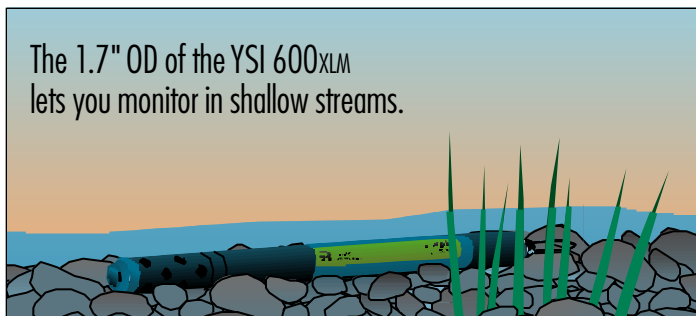
**The Rapid-Pulse oxygen sensor measures up to 50 mg/L, broad enough for super-saturated water.**

## **Data analysis with Windows**

**Data analysis is simple when you use EcoWATCH for Windows. You'll see the whole picture with a single program, obtain statistics easily and be able to run large studies. Spread sheets and graphs let you customize EcoWATCH for easy data processing and analysis.**

## Typical performance specifications

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



The 1.7" OD of the YSI 600<sub>xLM</sub> lets you monitor in shallow streams.

## Instrument specifications

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

**Temperature:** -5 to +45°C

**Computer interface:** RS232, SDI-12

**Logging memory:** 384K, logs 150,000 readings

### Software

PC6000: PC-compatible, DOS 3.0 or above; 256K RAM minimum. Graphics card recommended.  
EcoWATCH for Windows (optional): PC-compatible, 3.5" disk drive, 386 processor or better running Windows 3.1 or later, 4 MB RAM minimum.

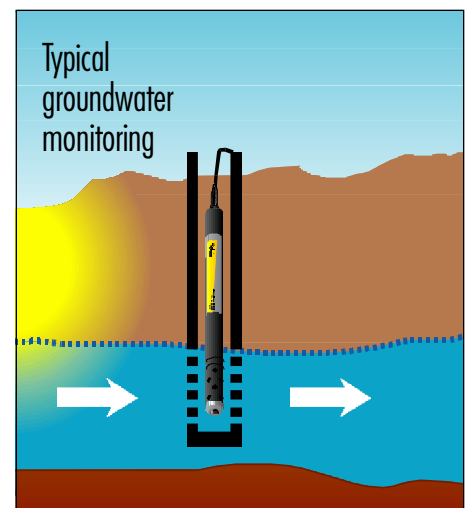
**Size:** 1.7" OD x 21.3" long (4.32 x 54.1 cm)

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

**Internal power supply:** 4 AA alkaline cells

**Battery life:** 25 to 30 days at 15-minute sampling intervals at 25°C

**External power supply:** 12 VDC



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