

*If you need to measure small changes
in water level, along with water quality—*

*you need the YSI 600XL—
now with vented level!*

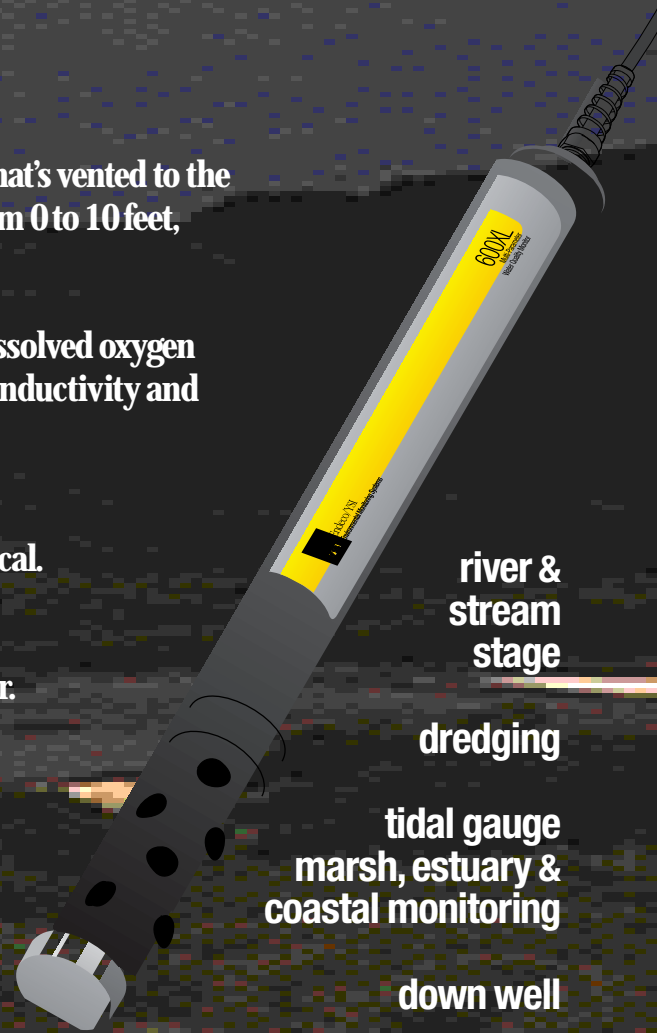
Measure up to 6 water quality parameters, including water level that's vented to the atmosphere. Achieve an unprecedented accuracy of ± 0.01 feet from 0 to 10 feet, ± 0.06 feet from 10 to 30 feet.

You'll also get EPA-accepted Rapid-Pulse stirring-independent dissolved oxygen measurement, ORP, pH and industry-leading specifications for conductivity and temperature. And all probes are field-replaceable.

This combination makes the compact YSI 600XL your best choice for unattended water quality monitoring where water level is critical.

Connect the YSI 600XL easily to the YSI 6200 Data Acquisition System, the YSI 610-DM Field Data Logger or your own data logger.

***± 0.01 feet
accuracy,
0-10 feet***



river &
stream
stage

dredging

tidal gauge
marsh, estuary &
coastal monitoring

down well

drinking water
reservoirs

river slope



Six-parameter system

The YSI 600XL lets you measure combinations of dissolved oxygen, conductivity, temperature, pH, vented and non-vented level or depth, and ORP. This compact sonde eliminates the need for separate instruments. Salinity, specific conductance and total dissolved solids are calculated.

Vented level technology

The YSI 600XL uses a strain gauge pressure transducer to measure vented level. It senses a combination of water and atmospheric pressure. One side of the pressure transducer is exposed to the water column and the other side is vented to the atmosphere through a tube in the communications cable. Venting eliminates the effects that changes in barometric pressure have on water level readings. Since both sides of the pressure transducer are equally affected by atmospheric pressure, you can be sure that changes in readings are due only to actual changes in water level.

Typical performance specifications

Dissolved oxygen % saturation	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
Dissolved oxygen mg/L	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
Conductivity	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
Temperature	Range Resolution Accuracy	-5 to +45°C 0.01°C $\pm 0.15^\circ\text{C}$ ($\pm 0.05^\circ\text{C}$ optional configuration)
pH	Range Resolution Accuracy	0 to 14 units 0.01 unit ± 0.2 unit
ORP	Range Resolution Accuracy	-999 to +999 mV 0.1 mV ± 20 mV
Salinity	Range Resolution Accuracy	0 to 70 PPT 0.01 PPT $\pm 1\%$ of reading or 0.1 PPT, whichever is greater
Non-vented depth medium	Range Resolution Accuracy	0 to 200 feet 0.001 feet ± 0.4 feet
Non-vented depth shallow	Range Resolution Accuracy	0 to 30 feet 0.001 feet ± 0.06 feet
Vented level	Range Resolution Accuracy	0 to 30 feet 0.001 feet ± 0.01 feet from 0 to 10 feet; ± 0.06 feet from 10 to 30 feet

For more information, call us at **800 897-4151** or **937 767-7241**.

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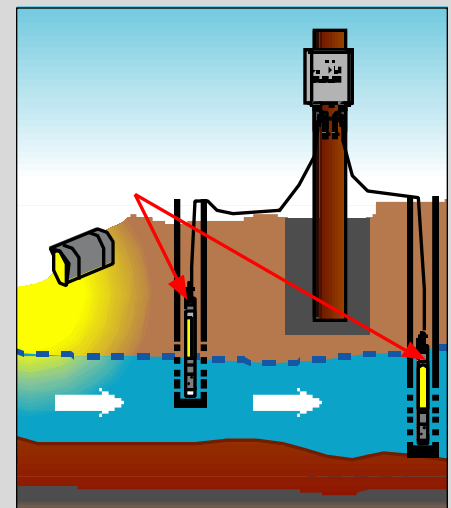
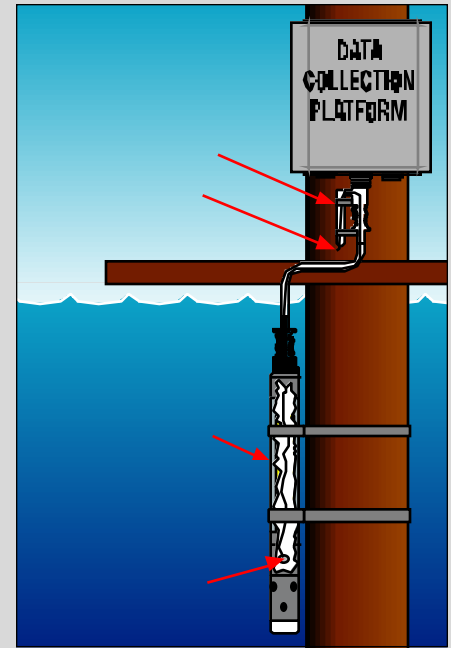
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Instrument specifications

Medium: fresh, sea, or polluted water

Temperature: -5 to +45°C

Computer interface: RS232, SDI-12

Size: 1.6" diameter, 16" long, 3 lbs.

Power: External 12 VDC

Warranty: 2 years for the sonde.

All sensors have 1-year warranties.

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