



NEW

600XL V2-1 and 600XLM V2-1 Sondes

Measure multiple parameters simultaneously

The YSI 600XL V2 and YSI 600XLM V2 compact sondes measure multiple parameters simultaneously, including:

Temperature	Specific Conductance
Conductivity	Salinity
pH	Resistivity
ORP	TDS
Depth or Level	

Both sondes have one optical port, allowing for measurement of an additional parameter with one of the following optical sensors:

- ROX™ Optical Dissolved Oxygen
- Turbidity
- Chlorophyll
- Blue-Green Algae (freshwater or marine)
- Rhodamine WT

Each optical sensor has an integrated anti-fouling wiper which prolongs deployment times (thus reducing operating costs) and improves the quality of data.

Economical Logging and Spot Sampling System

The YSI 600XLM V2 is an economical logging system for long-term, *in situ* monitoring, profiling, and spot sampling. 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 V2 can also be used in the same manner with user-supplied external power.

- Either sonde fits down 2" wells (1.65" OD)
- Optical sensor port provides a multipurpose platform
- Field-replaceable sensors for quicker maintenance
- Easily connects to data collection platforms
- Anti-fouling wipers on optical sensors extend deployment times
- Compatible with YSI 650 Multiparameter Display System
- Flow cell available for pump-through applications
- Horizontal measurements in very shallow waters

Connect with Data Collection Platforms

Either sonde can easily connect to the YSI 650 handheld logger/display, YSI 6200 DAS (Data Acquisition System), web-enabled YSI EcoNet® or your own data collection platform, via SDI-12, for remote and real-time monitoring applications.



Left: 600XL V2-1 with two-piece probe guard; right: 600XLM V2-1 sonde with optical DO sensor (bottom) and batteries (top)

Pure
Data for a
Healthy
Planet.®

Multiparameter sampling
or logging in a compact
sonde for ground water,
dredging, and spot
sampling applications



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Yellow Springs, Ohio Facility

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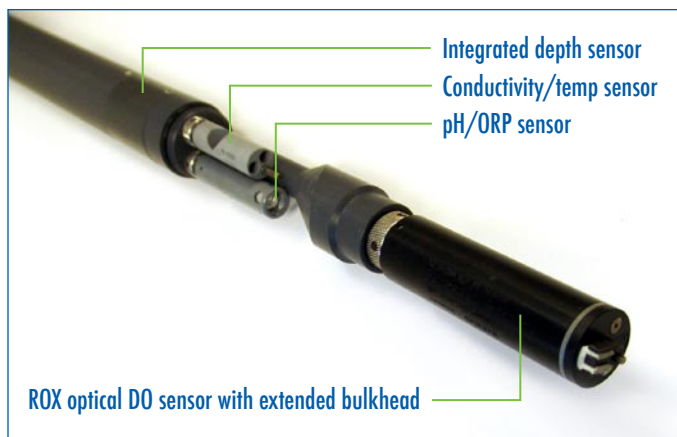
Sonde Features

- **ROX™ Optical DO:** An extremely durable DO sensor with excellent stability, insensitivity to hydrogen sulfide, and integrated anti-fouling wiper, which results in the longest deployment times while reducing operating costs.
- **Field-Replaceable Sensors** allow users to quickly and easily replace damaged sensors in the field or reconfigure a sonde for multiple applications by switching optical sensors.
- **Power Management:** Battery life is 34 days at a 15-minute interval or 75 days at a 1-hour interval with optical DO sensor installed.
- **Key Applications:** ground water monitoring, dredging, spot sampling, education, and long-term monitoring studies.

YSI 600XL V2-1 and 600XLM V2-1 Sonde Specifications

Available Sensors*	Temperature, conductivity, pH, ORP, optional depth (shallow, medium, or shallow vented), and one optical sensor (dissolved oxygen, turbidity, chlorophyll, rhodamine, or blue-green algae)
Operating Environment	Fresh, sea, or polluted water
Medium Temperature	-5 to 50°C
Depth	0 to 200 ft (61 m) for sonde
Storage Temperature	-40 to 60°C for sonde and sensors except pH and pH/ORP -10 to 60°C for pH and pH/ORP sensors
Material	PVC, stainless steel
Diameter	1.65 in (4.19 cm)
Length	600XL V2: 25.1 in (63.8 cm) without depth sensor; 27.1 in (68.8 cm) with depth and no bottom weight 600XLM V2: 28.5 in (72.4 cm) without depth sensor; 30.5 in (77.5 cm) with depth and no bottom weight
Weight	600XL V2: 1.96 lbs. (0.87 kg) with depth and no bottom weight 600XLM V2: 2.15 lbs. (1.05 kg) with depth and no bottom weight
Communications	RS-232C, SDI-12
Memory	384 kb (150,000 individual parameter readings)
Power	600XL V2: External 12 V DC 600XLM V2: 4 AA Alkaline batteries or external 12 V DC
Battery Life	Approximately 30 days at 20°C at a 15-minute logging interval with optical DO, temperature, conductivity, pH/ORP, and depth sensors operative

* Note: Rapid Pulse™ polarographic-style DO sensor is not available on the V2 sondes. Please refer to the 600XL or 600XLM sondes.



Standard Accessories

- Two-piece probe guard with bottom weight
- Carrying case
- 8, 25, 50, and 100 ft cables (other lengths available)
- Long calibration cup
- EcoWatch® software
- Maintenance kit
- Flow cell kit (optional)