YSI Environmental

YSI 6820 and 6920 Sondes

YSI 6920 YSI 6820

Measure multiple parameters simultaneously

You can report sixteen parameters simultaneously with either sonde:

DO (% and mg/L)	ORP
Temperature	Depth or Level
Conductivity	Turbidity, Chlorophyll or Rhodamine
Specific Conductance	Total Dissolved Solids
Salinity	Nitrate
Ammonia	Chloride
Ammonium-N	pH
Resistivity	

Data Analysis with EcoWatch® for Windows®

Data analysis from any YSI sonde is easy using EcoWatch® for Windows® for data quality review, statistical analysis, and preparation for easy importation to other data analysis packages.

Connect with data collection platforms

Either sonde can easily connect to the YSI 6200 DAS Data Acquisition System, or your own data collection platform, via RS-232 or SDI-12 for remote and real-time data acquisition applications.

Self-cleaning and Stirring-independent probes

Both sondes feature YSI's self-cleaning turbidity, chlorophyll or rhodamine sensor as well as YSI's Rapid Pulse® stirring-independent oxygen sensor.

- **Self-cleaning turbidity, chlorophyll or rhodamine**
- **Stirring-independent Rapid Pulse® dissolved oxygen system**
- **Field-replaceable sensors**
- **Easy connect to data collection platforms such as the YSI 6200 Data Acquisition System**
- **Compatible with YSI 650 Multiparameter Display System**

In addition

The YSI 6920 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 data sets. At 15-minute intervals, it will log data for about 30 days.

Sensor performance verified*

Both the 6820 and 6920 use sensor technology that was verified through the US EPA's Environmental Technology Verification Program (ETV). For information on which sensors were verified, turn this sheet over and look for the ETV logo.

Pure Data for a Healthy Planet.®

*Sensor Performance verified by the EPA Environmental Technology Verification Program.**

ETV

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YSI 6920 & 6820 Specifications

Dissolved Oxygen % Saturation 6562 DO Probe ETV	Range Resolution Accuracy	0 to 500% 0.1% 0 to 200%: ±2% of reading or 2% air saturation, whichever is greater; 200 to 500%: ±6% of reading
Dissolved Oxygen mg/L	Range Resolution Accuracy	0 to 50 mg/L 0.01 mg/L 0 to 20 mg/L: ±2% of reading or 0.2 mg/L, whichever is greater; 20 to 50 mg/L: ±6% of reading
Conductivity† 6560 Cond Probe ETV	Range Resolution Accuracy	0 to 100 mS/cm 0.001 to 0.1 mS/cm (range-dependent) ±0.5% of reading + 0.001 mS/cm
Temperature 6560 Temp Probe ETV	Range Resolution Accuracy	-5 to +70°C 0.01°C ±0.15°C
pH 6561 pH Probe ETV	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 ±1% of reading or 0.1 ppt, whichever is greater
Shallow Depth	Range Resolution Accuracy	0 to 30 feet (0 to 9 m) 0.001 feet (0.001 m) ±0.06 feet (±0.02 m)
Medium Depth	Range Resolution Accuracy	0 to 200 feet (0 to 61 m) 0.001 feet (0.001 m) ±0.4 feet (±0.12 m)
Vented Level	Range Resolution Accuracy	0 to 30 feet (0 to 9 m) 0.001 feet (0.0003 m) ±0.01 feet (0.003 m)
Turbidity 6136 Turb. Probe ETV	Range Resolution Accuracy Depth	0 to 1,000 NTU 0.1 NTU ±2% of reading or 0.3 NTU, whichever is greater in YSI AMCO-AEPA Polymer Standards 200 feet (60.96 m)
Chlorophyll 6025 Chlor. Probe ETV	Range Resolution Depth	0 to 400 µg/L 0.1 µg/L Chl; 0.1%FS 200 feet (60.96 m)
Rhodamine	Detection Limit Resolution Accuracy Depth	0.5 µg/L 0-200 µg/L as true dye; 1,000 µg/L as dye tracer ±1 µg/L or ±5% reading 200 feet (60.96 m)
Nitrate/nitrogen‡	Range Resolution Accuracy Depth	0 to 200 mg/L-N 0.001 to 1 mg/L-N (range dependent) ±10% of reading or 2 mg/L, whichever is greater 50 feet (15.2 m)
Ammonium/ammonia/ nitrogen‡	Range Resolution Accuracy Depth	0 to 200 mg/L-N 0.001 to 1 mg/L-N (range dependent) ±10% of reading or 2 mg/L, whichever is greater 50 feet (15.2 m)
Chloride‡	Range Resolution Accuracy Depth	0 to 1000 mg/L 0.001 to 1 mg/L (range dependent) ±15% of reading or 5 mg/L, whichever is greater 50 feet (15.2 m)

† 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).
‡ Freshwater only.

To order, or for more information, contact YSI Environmental.

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ISO 14001

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*Sensors with listed with the ETV logo were submitted to the ETV program on the YSI6600EDS. Sensor technology on the 6600EDS is identical to that used on the 6820/6920. Information on the performance characteristics of YSI water quality sensors can be found at www.epa.gov/etv, or call YSI at 800.897.4151 for the ETV verification report. Use of the ETV name or logo does not imply approval or certification of this product nor does it make any explicit or implied warranties or guarantees as to product performance.