



## YSI 6820 and 6920 Compact Sondes

### 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 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 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.

### 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 DAS
- 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 readings. At 15-minute intervals, it will log data for about 30 days.

Pure  
Data for a  
Healthy  
Planet.™

*Compact sondes for field  
sampling and data  
collection platforms.*



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To order or for more  
information, contact  
YSI Environmental.

800 897-4151

www.YSI.com

YSI Environmental  
937 767 7241  
Fax 937 767 9353  
support@YSI.com

YSI Massachusetts  
508 748 0366  
Fax 508 748 2543  
support@YSI.com

YSI Environmental  
European Support Centre  
44 1489 557 412  
Fax 44 1489 557 504  
europe@YSI.com

YSI (Hong Kong) Limited  
852 2891 8154  
Fax 852 2834 0034  
hongkong@YSI.com

YSI/Nanotech (Japan)  
81 44 222 0009  
Fax 81 44 222 1102  
nanotech@YSI.com

YSI (Qingdao) Limited  
86 532 389 6648  
Fax 86 532 389 6647  
china@YSI.com

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## 6820 & 6920 Sensor Specifications

<b>Dissolved oxygen % saturation</b>	Range Resolution Accuracy	0 to 500% 0.1% 0 to 200%: ±2% air sat; 200 to 500%: ±6% air sat
<b>Dissolved oxygen mg/L</b>	Range Resolution Accuracy	0 to 50 mg/L 0.01 mg/L 0 to 20 mg/L: ±0.2 mg/L; 20 to 50 mg/L: ±0.6 mg/L
<b>Conductivity</b>	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
<b>Temperature</b>	Range Resolution Accuracy	-5 to +45°C 0.01°C ±0.15°C
<b>pH, includes most low-ionic-strength measurements</b>	Range Resolution Accuracy	0 to 14 units 0.01 unit ±0.2 unit
<b>Non-vented depth, shallow</b>	Range Resolution Accuracy	0 to 30 feet (0 to 9 m) 0.001 foot (0.001 m) ±0.06 foot (±0.02 m)
<b>Non-vented depth, middle</b>	Range Resolution Accuracy	0 to 200 feet (0 to 61 m) 0.001 foot (0.001 m) ±0.4 foot (±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): ±0.01 feet (0.003 m) 10 to 30 feet (3 to 9 m): ±0.06 feet (0.01 m)
<b>ORP</b>	Range Resolution Accuracy	-999 to +999 mV 0.1 mV ±20 mV
<b>Salinity</b>	Range Resolution Accuracy	0 to 70 ppt 0.01 ppt ±1% of reading or 0.1 ppt, whichever is greater
<b>Nitrate-nitrogen</b>	Range Resolution Accuracy	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
<b>Ammonium-nitrogen</b>	Range Resolution Accuracy	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
<b>Ammonia</b>	Range Resolution Accuracy	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
<b>Turbidity</b>	Range Resolution Accuracy Depth	0 to 1,000 NTU 0.1 NTU ±5% of reading or 2 NTU, whichever is greater 61 m (200 feet)
<b>Chlorophyll</b>	Range Resolution Depth	0 to 400 µg/L; 0 to 100% FS 0.1 µg/L Chl; 0.1%FS 61 m (200 feet)
<b>Rhodamine</b>	Range Resolution Accuracy Depth	0 to 200 µg/L; 0 to 100% FS 0.1 µg/L; 0.1%FS ±1.0 µg/L; ±5% of reading 61 m (200 feet)
<b>Chloride</b>	Range Resolution Accuracy	0 to 1,000 mg/L 0.001 to 1 mg/L (range-dependent) ±15% of reading or 5 mg/L, whichever is greater

### YSI 6820 sonde

**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:** 2.86" dia, 13.5" long, 3.4 LBS (7.3 CM dia, 34.3 CM long, 2.3 KG)  
**External power supply:** 12 VDC

### YSI 6920 sonde

**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:** 2.85" OD x 18" long (7.24 x 45.7 cm)  
**Weight with batteries:** 4 lbs (1.8 kg)  
**External power supply:** 12 VDC