



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.*



Pure
Data for a
Healthy
Planet.™

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ISO 9001
ISO 14001

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Who's Minding
the Planet?™

6820 & 6920 Sensor Specifications

| | | |
|--|--|--|
| Dissolved oxygen % saturation | Range Resolution Accuracy | 0 to 500% 0.1% 0 to 200%: ±2% air sat; 200 to 500%: ±6% air sat |
| Dissolved oxygen mg/L | 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 |
| Conductivity | 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 | Range Resolution Accuracy | -5 to +45°C 0.01°C ±0.15°C |
| pH, includes most low-ionic-strength measurements | Range Resolution Accuracy | 0 to 14 units 0.01 unit ±0.2 unit |
| Non-vented depth, shallow | Range Resolution Accuracy | 0 to 30 feet (0 to 9 m) 0.001 foot (0.001 m) ±0.06 foot (±0.02 m) |
| Non-vented depth, middle | Range Resolution Accuracy | 0 to 200 feet (0 to 61 m) 0.001 foot (0.001 m) ±0.4 foot (±0.12 m) |
| Vented level | 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) |
| 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 |
| Nitrate-nitrogen | 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 |
| Ammonium-nitrogen | 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 |
| Ammonia | 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 |
| Turbidity | 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) |
| Chlorophyll | Range Resolution Depth | 0 to 400 µg/L; 0 to 100% FS 0.1 µg/L Chl; 0.1%FS 61 m (200 feet) |
| Rhodamine | 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) |
| Chloride | 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