

FIELD Environmental Instruments

Equipment Rental and Field Supplies

YSI 6820 Water Quality Sonde

"Your Needs Are Our Business"

Toll-Free
800-393-4009



The YSI 6820 measures a full range of parameters. It includes or Rapid-Pulse stirring independent oxygen sensor and self cleaning turbidity sensor for long deployments, or a standard turbidity sensor for sampling. It can be used down monitoring wells (up to 200 ft) or with a flow-thru cell.

The YSI 6820 easily connects to an Endeco/YSI 1240 Data collection Platform, a YSI 610 DM Field Data Logger or your own data collection platform for long-term deployment. Or use the YSI 650-D Display for sampling.

You can measure ten parameters at the same time. Data analysis is simple when you use EcoWatch, a single program, that obtains statistics easily and is able to run large studies.

SPECIFICATIONS

DISSOLVED OXYGEN % SATURATION

Range: 0 to 500%
Resolution: 0.1%
Accuracy: 0 to 200%: +/-2% air sat;
200 to 500%: +/-6% mg/L

DISSOLVED OXYGEN MG/L

Range: 0 to 50 mg/L
Resolution: 0.01 mg/L
Accuracy: 0 to 20 mg/L: +/-0.2mg/L;
20 to 50 mg/L: +/-0.6mg/L

CONDUCTIVITY

Range: 0 to 100 mS/cm
Resolution: 0.001 to 0.1 mS/cm range-dep)
Accuracy: +/-0.5% of reading+0.001mS/cm

TEMPERATURE

Range: -5 to +45°C
Resolution: 0.01°C
Accuracy: +/-15°C

PH

Range: 0 to 14 units
Resolution: 0.01°C
Accuracy: +/-0.2 unit

NON-VENTED DEPTH SHALLOW

Range: 0 to 30 ft (0 to 9m)
Resolution: 0.001 ft (0.001m)
Accuracy: +/-0.06 ft (+/-0.02)

NON-VENTED DEPTH, MIDDLE

Range: 0 to 200 ft (0 to 61m)
Resolution: 0.001 ft (0.001m)
Accuracy: +/-0.4 ft (+/-0.12m)

VENTED LEVEL

Range: 0 to 30 ft (0 to 9m)
Resolution: 0.001 ft (0.0003m)
Accuracy: 0 to 10 ft (0 to 3m): +/-0.01ft
(0.003 m); 10 to 30 ft
(3 to 9m): +/-0.06ft (0.01m)

ORP

Range: -999 to +999mV
Resolution: 0.1mV
Accuracy: +/-20mV

SALINITY

Range: 0 to 70 ppt
Resolution: 0.01 ppt
Accuracy: +/-1% of reading or 0.1 ppt
whichever is greater

TURBIDITY

Range: 0 to 1,000 NTU
Resolution: 0.1 NTU
Accuracy: +/-5% of reading or 2 NTU,
whichever is greater

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