



YSI 600 QS (Quick Sample™)

The Easy Solution to Handheld Sampling

Packaged for convenience, the combination of the YSI 650 MDS display-datalogger and the YSI 600R sonde allows you to collect 9 parameters simultaneously in real time. Designed for reliable field use, the 650 MDS features an IP-67, impact-resistant case, and utilizes internal, non-volatile flash memory that prevents data loss and stores 150 data sets. The 600R sonde is compact, submersible to 61m (200 ft) and employs YSI's unprecedented sensor reliability and parameter measurement systems. The 600QS provides a reliable way to quickly sample fresh, brackish, sea, and polluted waters.



- **Rapid-Pulse™ stirring-independent dissolved oxygen, accepted for compliance monitoring**
- **Collect 9 parameters simultaneously in real time**
- **Dissolved oxygen, dissolved oxygen % saturation, temperature, conductivity, pH, ORP¹, and depth¹ are measured simultaneously**
- **Specific conductance, salinity, total dissolved solids and resistivity are calculated and displayed with measured parameters at the users discretion**
- **Small compact sonde fits easily into 2-inch wells**
- **Compatible with E COWATCH™ for Windows™ data analysis software²**
- **Menu-driven, easy-to-use interface for 650 MDS and 600R to PC**
- **Sonde communicates via RS-232 to 650 MDS and PC, and via SDI-12 to data collection platforms**
- **Easy-to-use sensor diagnostics that help insure accurate, high quality data acquisition**
- **3-year warranty on the 650 MDS and 600R³**

¹ optional sensor, ² EcoWatch is not necessary for operation, calibration or sensor diagnostics

³ refer to warranty statement for conditions: extended warranties are also available

Pure
Data for a
Healthy
Planet.™

*Quick Sample with a new,
cost-effective combination
of two outstanding YSI
products!*

Feature-Packed Performance

- **Battery Life** – With the standard alkaline battery configuration of 4 C-cells, the YSI 650 MDS will power itself and the sonde continuously for approximately 30 hours. Or, choose the **rechargeable battery pack** option with quick-charge feature.
- **Optional GPS Interface** – Designed to NMEA protocol, the YSI 650 MDS will display and log real-time GPS readings with a user-supplied GPS.
- **Memory** – Standard memory with 150 data sets with time and date stamp and can be downloaded to a PC via RS-232 interface.





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ISO 14001

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For more information on YSI's full line of products and services, as well as application notes, FAQ's, troubleshooting, and more, check our information-packed website: www.YSI.com.

Be sure to see the YSI 600 QS feature page which outlines the advantages and benefits of this new technology at: www.YSI.com/600QS.

YSI 600 QS Display-Datalogger (650 MDS)

Temperature :	
Operating:	-10° to 60° C for visible display
Storage:	-20° to 70° C
Waterproof :	IP-67 for both the standard alkaline battery configuration and for the rechargeable battery pack option
Size :	11.9 cm width x 22.9 cm length (4.7 in. x 9 in.)
Weight with batteries :	2.1 lbs. (0.91 kg.)
Display :	VGA; LCD with 320 by 240 pixels with backlight
Connector :	MS-8; meets IP-67 specification
Battery :	Standard 4 alkaline C-cells with detachable battery cover Optional Ni metal hydride battery pack with attached battery cover and 110/220 volt charging system
Communications :	RS-232 to all sondes, for data transfer to PC, and for software updates and SDI-12
GPS:	Y-cable; NMEA 0183
Backlight :	4 LEDs illuminating LCD; user-selectable
Keypad :	20 keys, including instrument on/off, backlight on/off, enter, esc, 10 number/letter entry keys, 2 vertical arrow keys, 2 horizontal arrow keys, period key, and minus key

YSI 600 QS Sonde Specifications (600R)

Size:	OD: 1.65" (4.19 cm)	Length: 14" (35.6 cm)	Weight: 1.1 lbs (0.49 kg)
Depth:	Range	Resolution	Accuracy
Medium	0-200 feet (0-61 m)	0.001 feet (0.001 m)	±0.4 feet (±0.12 m)
Dissolved oxygen % air saturation:	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:	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:	0 to 100 mS/cm	0.001 to 0.1 mS/cm (range-dependent)	±0.5% of reading +0.001 mS/cm
Temperature:	-5 to +45 C	0.01 C	±0.15 C
pH:	0 to 14 units	0.01 unit	0.2 unit
Salinity:	0 to 70 ppt	0.01 ppt	±1% of reading or 0.1 ppt, whichever is greater
ORP:	-999 to +999 mV	0.1 mV	±20 mV

How To Order

600QS-01	Temperature, Conductivity, pH, DO, 25 ft. Detachable Cable, 650-01 MDS, 600R Sonde
600QS-02	Temperature, Conductivity, pH, DO, Depth 0-200 ft., 25 ft. Detachable Cable, 650-01 MDS, 600R Sonde
600QS-03	Temperature, Conductivity, pH, DO, 50 ft. Detachable Cable, 650-01 MDS, 600R Sonde
600QS-04	Temperature, Conductivity, pH, DO, Depth 0-200 ft., 50 ft. Detachable Cable, 650-01 MDS, 600R Sonde
600QS-05	Temperature, Conductivity, pH/ORP, DO, 25 ft. Detachable Cable, 650-01 MDS, 600R Sonde
600QS-06	Temperature, Conductivity, pH/ORP, DO, Depth 0-200 ft., 25 ft. Detachable Cable, 650-01 MDS, 600R Sonde
600QS-07	Temperature, Conductivity, pH/ORP, DO, 50 ft. Detachable Cable, 650-01 MDS, 600R Sonde
600QS-08	Temperature, Conductivity, pH/ORP, DO, Depth 0-200 ft., 50 ft. Detachable Cable, 650-01 MDS, 600R Sonde