



## YSI 650 Multiparameter Display System

### *Rugged and Reliable Display and Data Logging System*



*The YSI 650 Multiparameter Display System*

Easily log real-time data, calibrate YSI 6-Series sondes, set up sondes for deployment, and upload data to a PC with the feature-packed YSI 650MDS (Multiparameter Display System). Designed for reliable field use, this versatile display and data logger features a waterproof IP-67, impact-resistant case.

- Compatible with EcoWatch® for Windows® data analysis software
- User-upgradable software from YSI's website
- Menu-driven, easy-to-use interface
- Multiple language capabilities
- Graphing feature
- Three-year warranty

### **Feature-Packed Performance**

#### *Battery Life*

With the standard alkaline battery configuration of 4 C-cells, the YSI 650 will power itself and a YSI 6600 sonde continuously for approximately 30 hours. Or, choose the rechargeable battery pack option with quick-charge feature.

#### *Optional Barometer*

Temperature-compensated barometer readings are displayed and can be used in dissolved oxygen calibration. Measurements can be logged to memory for tracking changes in barometric pressure.

#### *Optional GPS Interface*

Designed to NMEA protocol, the YSI 650 MDS will display and log real-time GPS readings with a user supplied GPS interfaced with YSI 6-Series sondes.

#### *Memory Options*

Standard memory with 150 data sets, or a high-memory option (1.5 MB) with more than 50,000 data sets; both options with time and date stamp.

Pure  
Data for a  
Healthy  
Planet.®

*A powerful logging  
display for your data  
collection processes*

*The 650MDS can be  
used with YSI sondes  
for spot sampling as  
well as short-term data  
logging.*

*Supply a GPS with  
NMEA 0183 protocol,  
connect with the YSI  
6115 kit, and collect  
GPS data along with  
water quality data.*

*Upload data from the  
650 to EcoWatch® for  
instant data viewing.*





To order, or for more information, contact YSI

+1 937 767 7241

800 897 4151 (US)

www.ysi.com

YSI Environmental  
+1 937 767 7241  
Fax +1 937 767 9353  
environmental@ysi.com

YSI Integrated Systems & Services  
+1 508 748 0366  
Fax +1 508 748 2543  
systems@ysi.com

SonTek/YSI  
+1 858 546 8327  
Fax +1 858 546 8150  
inquiry@sontek.com

YSI Gulf Coast  
+1 225 753 2650  
Fax +1 225 753 8669  
environmental@ysi.com

YSI Hydrodata (UK)  
+44 1462 673 581  
Fax +44 1462 673 582  
europe@ysi.com

YSI Middle East (Bahrain)  
+973 1753 6222  
Fax +973 1753 6333  
halsalem@ysi.com

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

YSI (China) Limited  
+86 10 5203 9675  
Fax +86 10 5203 9679  
beijing@ysi-china.com

YSI Nanotech (Japan)  
+81 44 222 0009  
Fax +81 44 221 1102  
nanotech@ysi.com

**ISO 9001**  
**ISO 14001**

Yellow Springs, Ohio Facility

EcoWatch, Pure Data for a Healthy Planet and Who's Minding the Planet? are registered trademarks of YSI Incorporated. Windows is a registered trademark of the Microsoft Corporation.

©2007 YSI Incorporated  
Printed in USA 0707 E11-03



YSI incorporated  
Who's Minding  
the Planet?

## YSI 650MDS Specifications

Temperature	Operating Storage	-10 to +60°C for visible display -20 to +70°C
Waterproof Rating		IP-67 for both the standard alkaline battery configuration and for the rechargeable battery pack option
Connector		MS-8; meets IP-67 specification
Dimensions	Width Length Weight with batteries	4.7 in, 11.9 cm 9 in, 22.9 cm 2.1 lbs, 0.91 kg
Display		VGA; LCD with 320 by 240 pixels with backlight
Power	Standard Optional	4 alkaline C-cells with detachable battery cover 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
Optional GPS		NMEA 0183; requires user-supplied GPS and YSI 6115 Y-cable
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
Warranty		3 years

## Ordering Information

650-01	Instrument, standard memory
650-02	Instrument, high memory
650-03	Instrument, standard memory, barometer
650-04	Instrument, high memory, barometer
6113	Rechargeable battery pack kit with 110 volt charger and adapter cable
616	Charger, cigarette lighter
4654	Tripod
614	Ultra clamp, C-clamp mount
5081	Carrying case, hard-sided
5085	Hands-free harness
5065	Form-fitted carrying case
6115	Y-cable for interface with user-supplied GPS system



The 650MDS can interface with any YSI sonde for

- spot sampling
- short-term studies
- surface and ground water monitoring
- water level monitoring

Packaged together, the 600QS system includes a 600R conductivity sonde, 650MDS, field cable, and additional sensor options such as pH, dissolved oxygen, ORP, and vented level.