



## EMM68 Buoy

### Quick and Easy Access to Water Quality Data



*The EMM68 buoy is lightweight and easy to deploy from shore or small boat*



*EMM68 buoy supports a single water quality instrument, such as a YSI 6600 V2-4 sonde, positioned inside the subsurface pipe*

The EMM68 buoy provides a quickly deployable water quality monitoring platform with remote telemetry. The system can be lifted into place by two people, reducing deployment and maintenance costs—while still maintaining a secure buoy that is difficult to steal or vandalize. And the entire system can be installed without divers, allowing for complete serviceability from a small boat or watercraft.

Collect data in waters previously out of reach. The EMM68 buoy is an economical alternative to obtaining site access to install permanent fixtures on bridge pilings and piers.

#### Receive remote data

Two data delivery systems are available to send data from any YSI sonde. Basic data delivery sends a raw data file to your computer, while the web-enabled option posts data directly to a public or private web site.

Advantages of remote data delivery:

- Save you unnecessary trips into the field, reducing operating costs
- Make you aware of changing conditions as they occur, improving response time
- Match your calibration and maintenance schedules to actual sensor performance, reducing consumables

#### Ideal for monitoring in these applications

- Baseline studies
- Construction and dredging
- Dye-tracing studies
- Emergency response
- Fisheries
- Industrial sites
- Non-point source/TMDL
- Point source/discharge
- Stormwater & CSO
- Source water
- University/research

#### Custom systems available

Contact YSI's Integrated Systems & Services division to discuss your specific monitoring application. We offer a variety of buoy platforms which can be tailored to fit your needs. Our other systems are suited for deployment in high-energy environments and for long-term monitoring projects.



To order, or for more information, contact YSI Integrated Systems & Services

+1 508 748 0366  
800 363 3269 (US)  
systems@ysi.com  
www.ysi.com/systems

YSI Environmental  
Yellow Springs, OH  
+1 937 767 7241  
Fax +1 937 767 9353  
environmental@ysi.com

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

YSI Gulf Coast  
+1 225 753 2650  
gulfcoast@ysi.com

AMJ Environmental  
+1 727 565 2201  
info@amjenviron.com

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

YSI Middle East (Bahrain)  
+973 3977 1055  
halsalem@ysi.com

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

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

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

YSI Australia  
+61 7 3162-1064  
australia@ysi.com

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

(Yellow Springs facility)

Pure Data for a Healthy Planet and Who's Minding the Planet? are registered trademarks of YSI Inc. Verizon is a trademark of Verizon Inc.

©2009 YSI Incorporated  
Printed in USA E61-02 1109



**YSI incorporated**  
Who's Minding the Planet?®

## EMM68 Buoy Specifications

<b>Weight</b>	48 kg (105 lbs) in air
<b>Mooring</b>	Customer-supplied, single- or two-point
<b>Antenna</b>	Integral cellular antenna standard; waterproof external antenna optional
<b>Solar</b>	2 x 10-watt panels
<b>Battery</b>	12 v/24 amp-hr
<b>Float</b>	Impact-resistant polyurethane, foam-filled
<b>Sensor Payload</b>	Any YSI 6-Series water quality sonde (can include temperature, depth, conductivity, blue-green algae, chlorophyll, dissolved oxygen, ORP, pH, rhodamine, and turbidity)
<b>Software</b>	One copy of base-station software required for entire monitoring network; priced separately
<b>Telemetry</b>	CDMA through Verizon®, GSM circuit-switched data, or GPRS (customer specifies coverage and signal strength at site when ordering)
<b>Beacon</b>	Flashing amber; optional
<b>Deployment</b>	Min. water depth 1.8 meters; max. operational currents 2 knots; max. rolling wave height 1 meter

## Simple Steps to Deploy a Buoy

- Activate cellular modem and account
- Install base station software on computer with unrestricted internet access
- Configure YSI sonde with EcoWatch® software
- Test communications in lab
- Source and install mooring lines and weights
- Deploy buoy in safe location
- Maintain sensors and equipment on a regular basis

