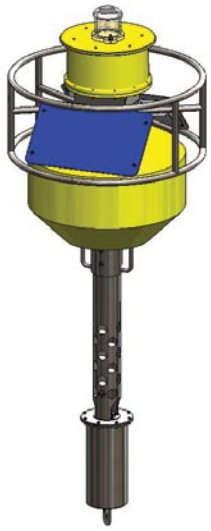
EMM68 Buoy

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

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EMM68 Buoy Specifications

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