

# EMM 2.0 Coastal Monitoring Buoy

## SCALABLE COASTAL MONITORING PLATFORM

The YSI EMM2.0 is one of the most versatile and reliable buoy solutions on the market. These buoys have been deployed with wet-chemistry nutrient and metal analyzers, current meters, water quality monitors, GPS, atmospheric sensors, wave sensors, hydrocarbon sensors, and more.

The stable platform can be easily customized to maximize instrumentation on a single monitoring platform. Adding satellite, radio, or cellular telemetry provides data to a custom visual display, making it easy for researchers and operators alike to receive critical data on a daily basis.

### Features Include:

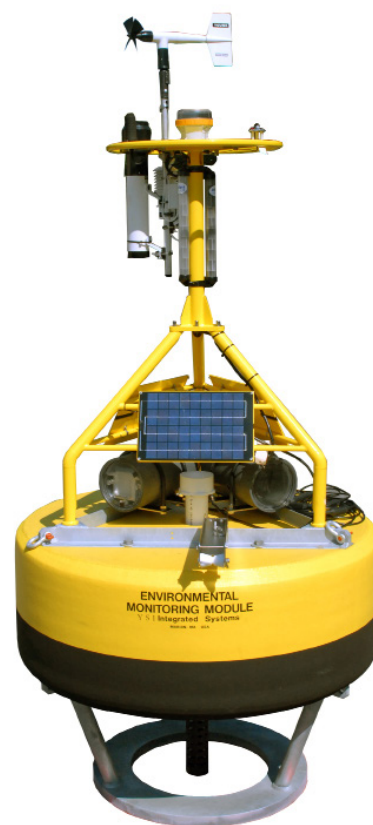
- YSI manufactures buoy, instruments, and loggers for a complete, integrated solution
- Customizable with third-party sensors
- Uniform color doesn't require regular maintenance
- Through-hull penetration for monitoring equipment makes routine servicing simple, fast, and secure
- Standard configurations available with short lead time
- Virtually indestructible buoy hull survives impact, ice, punctures, and

### 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.



YSI buoys are made with marine-rated materials for years of operation. Above: Pressure cases made with non-corrosive materials and submersible connectors.



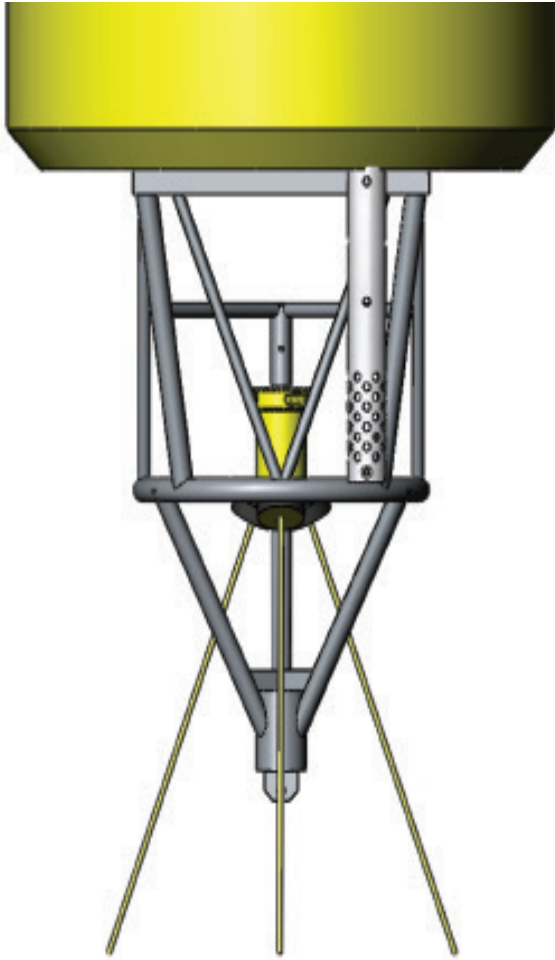
The scalable buoy can accommodate multiple instruments.

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# EMM 2.0 Coastal Monitoring Buoy Specifications

## EMM2.0 Specifications

Hull		4 PCF Softlite® ionomer foam Body
Weight		365 lbs. gross hull
Displacement		3800 lbs.
Shape		Chine cut shallow discus
Metal		6061 aluminum; deck structure and base is galvanized steel; isolation bushings between dissimilar metals
Weight		1700lbs.
Dimensions	Hull Height	1.8m diameter 3.28m.
Mooring Attachment		3-Point standard; 4-Point Optional
Tower		6061 Aluminum, powder coated, marine grade
Counterweight		Galvanized Steel
Solar Power		3 x 24W angled at 27°
Battery		12V 70A-hr



Above: A buoy-mounted mooring cage allows the measurement of currents without long electromechanical cables and multipoint moorings.



SonTek, a YSI subsidiary, offers a variety of current and wave monitoring options. Above: An economical set-up for monitoring current and waves from the sea floor. This solution is cabled to the surface.

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