



EMM2000 Coastal Monitoring Buoy

Scalable coastal monitoring platform

The YSI EMM2000 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:

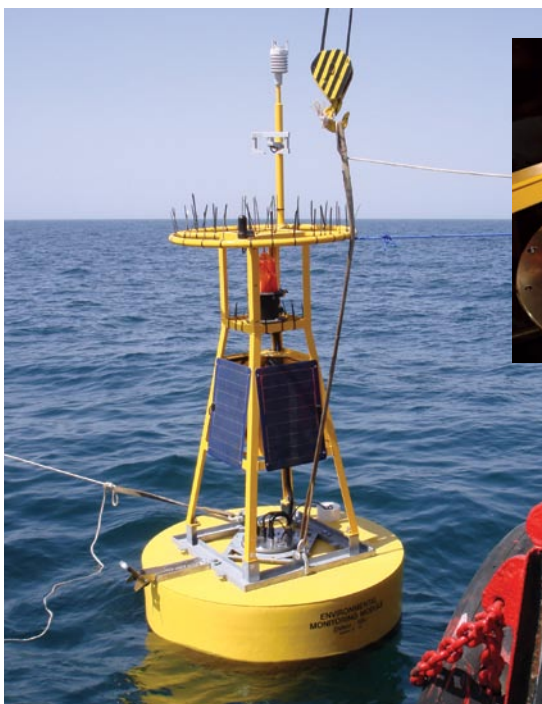
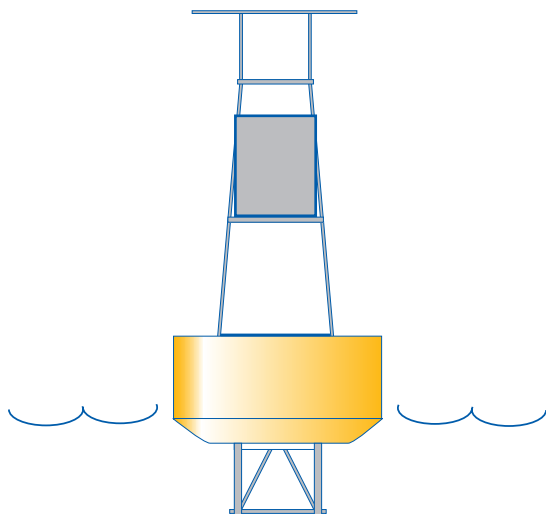
- Indestructible buoy hull survives impact, ice, punctures, and vandalism
- Uniform color doesn't require regular maintenance
- Through-hull penetration for monitoring equipment makes routine servicing simple, fast, and secure
- Standard configurations available with short lead time
- YSI manufactures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

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.

Pure
Data for a
Healthy
Planet.®

*Buoy for long-term
monitoring in bays,
estuaries, and the
continental shelf*



YSI buoys are made with marine-rated materials for years of operation. Above: Endcap made of stainless steel with submersible connectors.

The scalable buoy can accommodate 1-10 instruments.

www.ysi.com/systems



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
environmental@ysi.com

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

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

YSI Hydrodatta
European Support Centre
+44 1462 673 581
europe@ysi.com

YSI Middle East (Bahrain)
+973 39771055
halsalem@ysi.com

YSI India
+91 9891220639
sham@ysi.com

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

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

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

YSI Australia
+61 7 39017223
acorbett@ysi.com

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[Yellow Springs facility]

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EMM2000 Coastal Monitoring Buoy Specifications

Hull		4 PCF Softlite® ionomer foam body
	Weight	220 lbs. gross hull
	Displacement	2700 lbs.
Shape		Chine cut shallow discus
Metal		6061 aluminum; deck structure and base is galvanized steel; isolation bushings between dissimilar metals
Dimensions	Hull Height	66 in. diameter
		129 in.
Weight		675 lbs.
Mooring Attachment		4-point; 4 in. x 5 in. tabs with 1.25 in. hole
Antenna		Based on radio frequency and customer requirements; priced separately
Beacon		To customer specification; priced separately
Tower	Legs	3 in. x 3 in. x 75 in.
	Top Ring	3 in. x 3 in. x 48 in. diameter
Deck	Rings & Spokes	3 in. x 3 in.
	Lifting Bails	1 in.



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.

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

