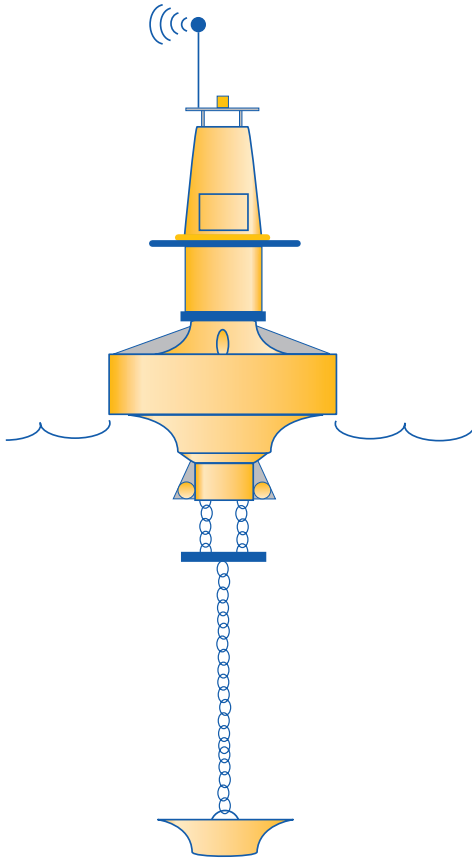




EMM1750 Coastal Buoy

Offshore Water Quality Buoy for Challenging Deployments



The 1.75 meter Coastal Buoy is a rotomolded buoy with monitoring electronics. The platform is suitable for coastal meteorological and water quality monitoring and can double as a channel marker buoy when ordered in red or green. Because the platform is manufactured regionally, YSI's local offices can deliver it to you quickly.

Meteorological options provide an "all in one" solution to measure wind speed, temperature, relative humidity, and wind direction. The data are geo-referenced with integral GPS and combined with water quality data to provide continuous environmental monitoring anywhere in the world.

Features include:

- UV-stabilized polyethylene eliminates rusting and colored paint associated with classic buoys
- Internal foam core keeps system afloat in the event of a puncture or collision
- YSI electronics hub powers the water quality and met sensors and transmits data to a web site or computer
- Standard system with GPS and water quality and met sensors is quickly configured and delivered

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 meteorological
and water quality
monitoring on coasts*



*A sealed, submersible cellular
antenna and navigation beacon
are immune to failure caused
by corrosion.*



EMM1750 Coastal Buoy Specifications

Hull	Rotationally molded in medium-density, UV-stabilized polyethylene, 9.5 mm thick Filled with 16 kg/m ³ expanded polystyrene foam	
Dimensions	Diameter	69 in. (1750 mm) hull
	Height	90 in. (2290 mm); optional extended plane 114 in. (2900 mm)
	Weight	1000 lbs. (454 kg) in air
Draft	30 in. (751 mm)	
Freeboard	12 in. (305 mm)	
Submergence	138 lb./in. (24.7 kg/cm)	
Visual Area	Can shape	17.2 ft ² (1.6 m ²), daymark panels
	Nun shape	16.1 ft ² (1.5 m ²), daymark panels
Surface Color	As specified	
Maximum Mooring Load	1400 lb. (636 kg)	
Maximum Current	6 knots	
Mooring	Designs for 35 to 60 meter operational depth, at water speeds of 6 and 4 knots, respectively	



1.75 meter coastal buoy assembled before deployment.

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