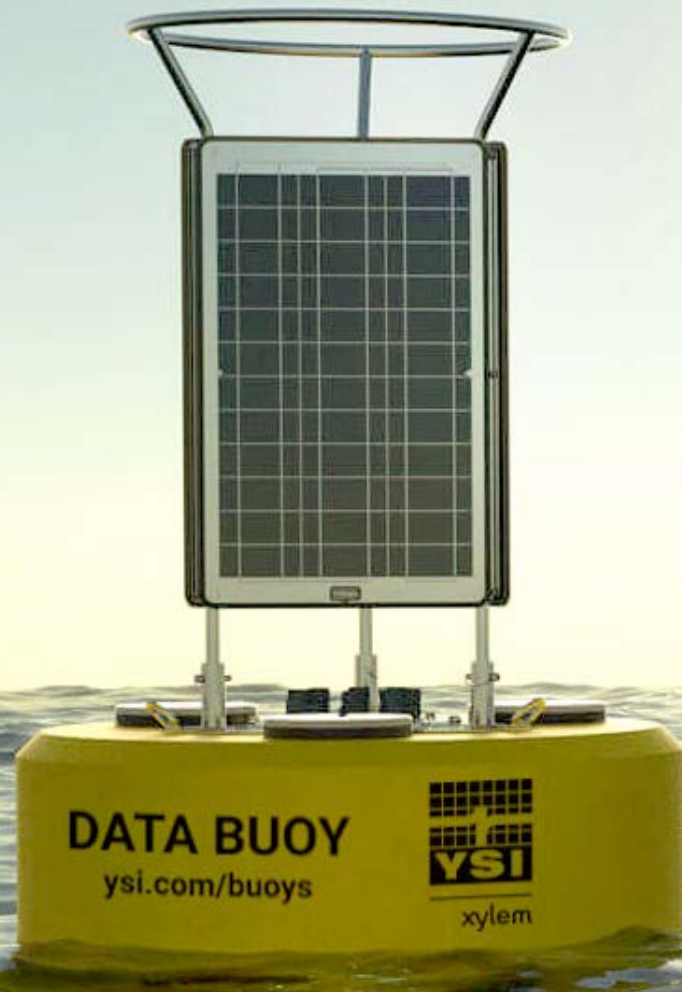


xylem

Environmental
Monitoring



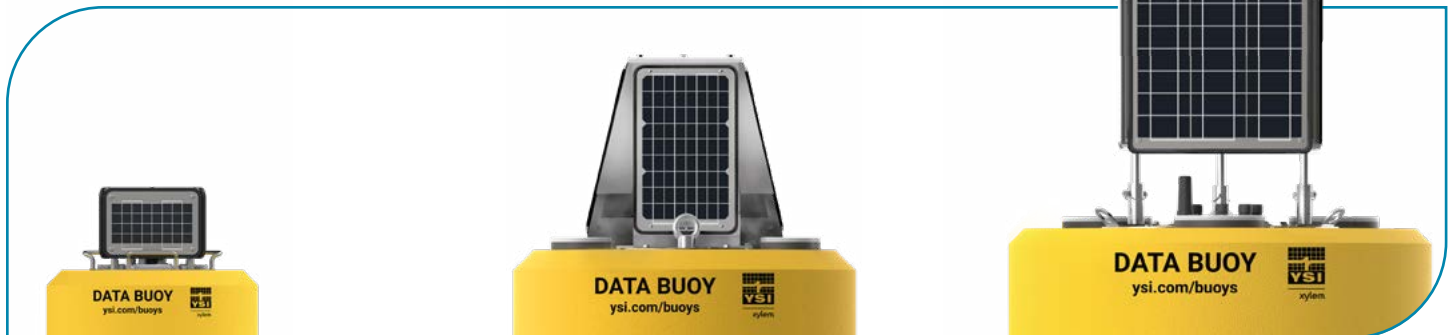
Environmental data buoys

Floating monitoring systems



YSI data buoys

YSI **DB-Series data buoys** provide a dependable, modular floating platform for collecting high-quality environmental data while deployed in lakes, rivers, coastal waters, harbors, and estuaries.



DB-75

Compact and lightweight for cost-effective monitoring in protected waters. Ideal for rivers, ponds, lakes, and short-term or low-power applications.

DB-450

A versatile mid-size buoy offering greater stability, expanded power capacity, and multi-sensor support for seasonal or year-round monitoring across freshwater, estuarine, and select coastal sites.

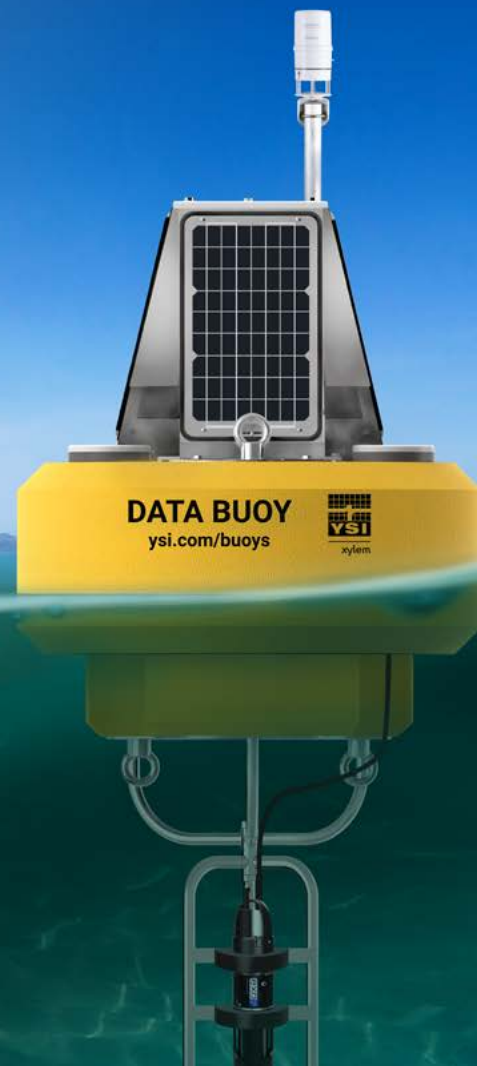
DB-950

A high-capacity buoy engineered for demanding, long-term deployments. Designed for high-energy and coastal environments requiring maximum power, payload, and durability.



Complete buoy platform

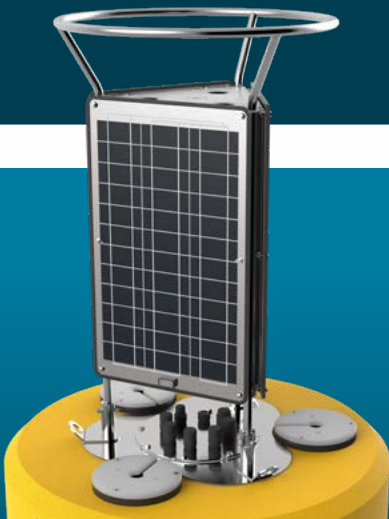
The YSI DB-Series buoys provide a durable platform that adapts to your environment, sensors, and monitoring goals.



Key features

Rugged design

A durable polymer-coated hull and stainless steel frame deliver long-lasting performance and provide mounting for lights, sensors, cameras, and other topside instruments.



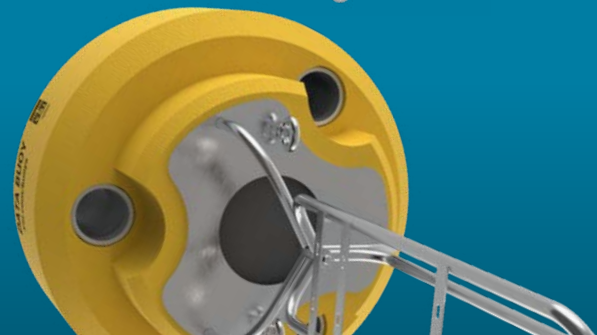
Solar power

Solar panels capture sunlight from any direction and continuously recharge onboard batteries.



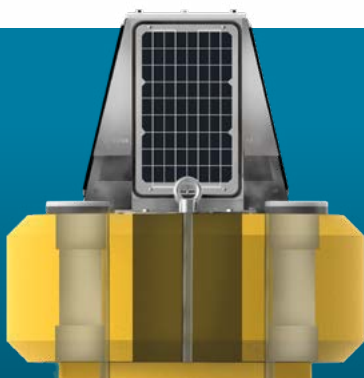
Pass-through ports

Three pass-through ports allow for easy deployment of underwater sensors.



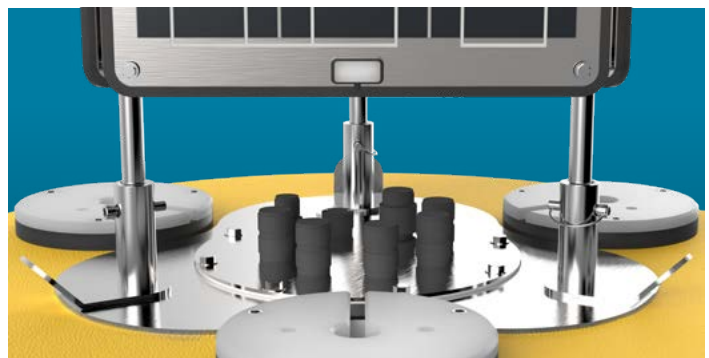
Watertight data well

An internal data well securely protects batteries, data loggers, and electronics.

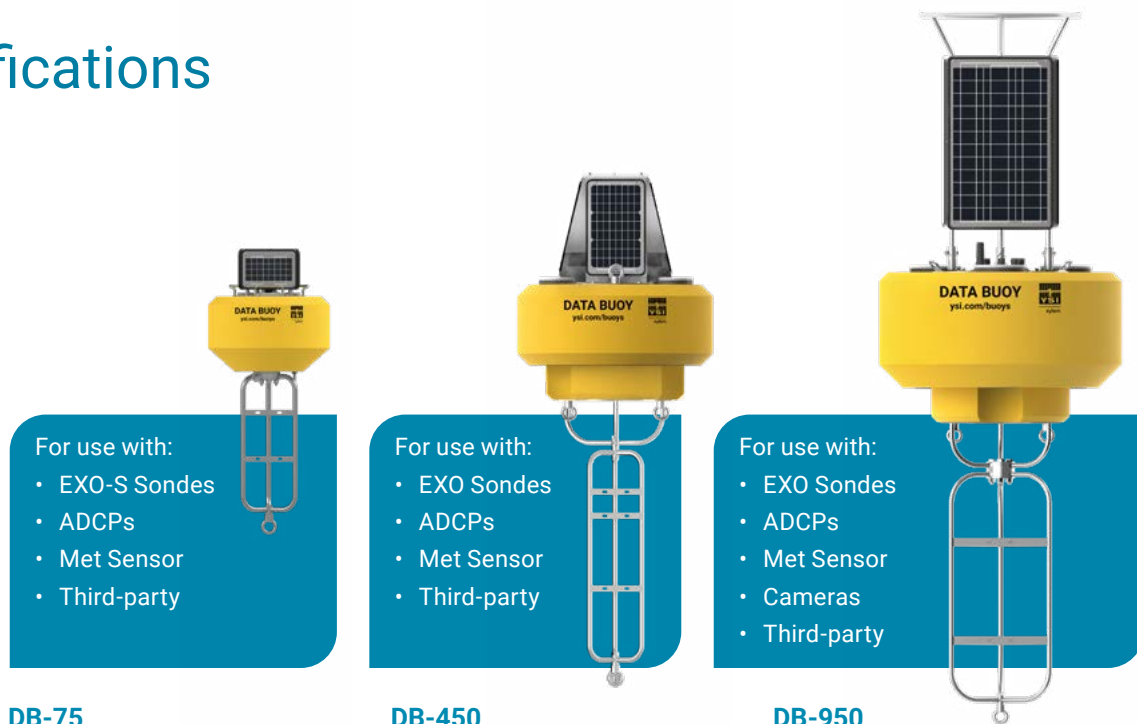


Flexible data logging

Integrate a HydroRIG intelligent gateway for easy system setup or connect a third-party data logger.



Buoy specifications



	DB-75	DB-450	DB-950
Hull outer diameter	53.34 cm (21.0 in)	86.4 cm (34.0 in)	106.7 cm (42.0 in)
Hull height	33.02 cm (13.0 in)	50.8 cm (20.0 in)	66.0 cm (26.0 in)
Data well inner diameter	13.97 cm (5.5 in)	26.2 cm (10.3 in)	26.2 cm (10.3 in)
Data well height	33.02 cm (13 in)	49.5 cm (19.5 in)	64.8 cm (25.5 in)
Pass-through hole diameter	3.81 cm (1.5 in)	10.2 cm (4.0 in)	15.2 cm (6.0 in)
Tower height	20.83 cm (8.2 in)	50.80 cm (20.0 in)	104.1 cm (41.0 in)
Solar panels	4-Watts x3 (12 Watts of charging power)	15-Watts x3 (45 Watts of charging power)	46-Watts x3 (138 Watts of charging power)
Power	6 Ahr AGM	28 Ahr AGM	56 Ahr AGM
Weight	16.78 kg (37 lbs)	56 kg (124 lbs)	99 kg (219 lbs)
Gross buoyancy	56.70 kg (125 lbs)	223 kg (492 lbs)	430 kg (947 lbs)
Net buoyancy	39.92 kg (88 lbs)	167 kg (368 lbs)	330 kg (728 lbs)
Hull material	Cross-linked polyethylene foam with polyurea coating & stainless steel deck	Cross-linked polyethylene foam with polyurea coating & stainless steel deck	Cross-linked polyethylene foam with polyurea coating & stainless steel deck
Hardware material	316 stainless steel; 304 stainless steel (lifting handles)	316 stainless steel	316 stainless steel
Mooring attachments	3/8 in. eyenuts x3	3/4 in. eyenuts x3	3/4 in. eyenuts x3



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