

CB-50

DATA BUOY

- Emergency response data buoy
- Cellular, satellite or radio telemetry
- Supports a variety of environmental sensors
- Accommodates X2-SDL data loggers
- Rugged polymer-coated foam hull



The NexSens **CB-50** Data Buoy is designed for quick deployment in emergency response situations including industrial spills and natural disasters. The buoy can be deployed from small boats, large vessels or even helicopters, making it the ideal choice for applications where water needs to be monitored at a moment's notice. Compatible instruments include turbidity sensors, dissolved oxygen sensors, hydrocarbon sensors, fluorometers, multi-parameter sondes, pressure transducers, and more.

The buoy is constructed of an inner core of cross-linked polyethylene foam with a tough polyurea skin and stainless steel frame. The 5.5" ID center hole houses the **X2-SDL** data logging system, which includes integrated power supply and wireless antenna. A removable topside foam tower protects the electronics, supports solar marine lights, and offers a convenient lifting point via (3) 5/8" eyenuts. Optional accessories include instrument cages and mounting clamps to secure instruments to the platform.

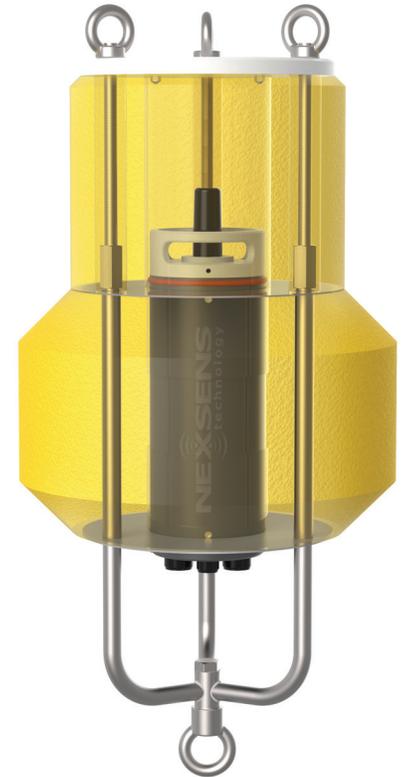
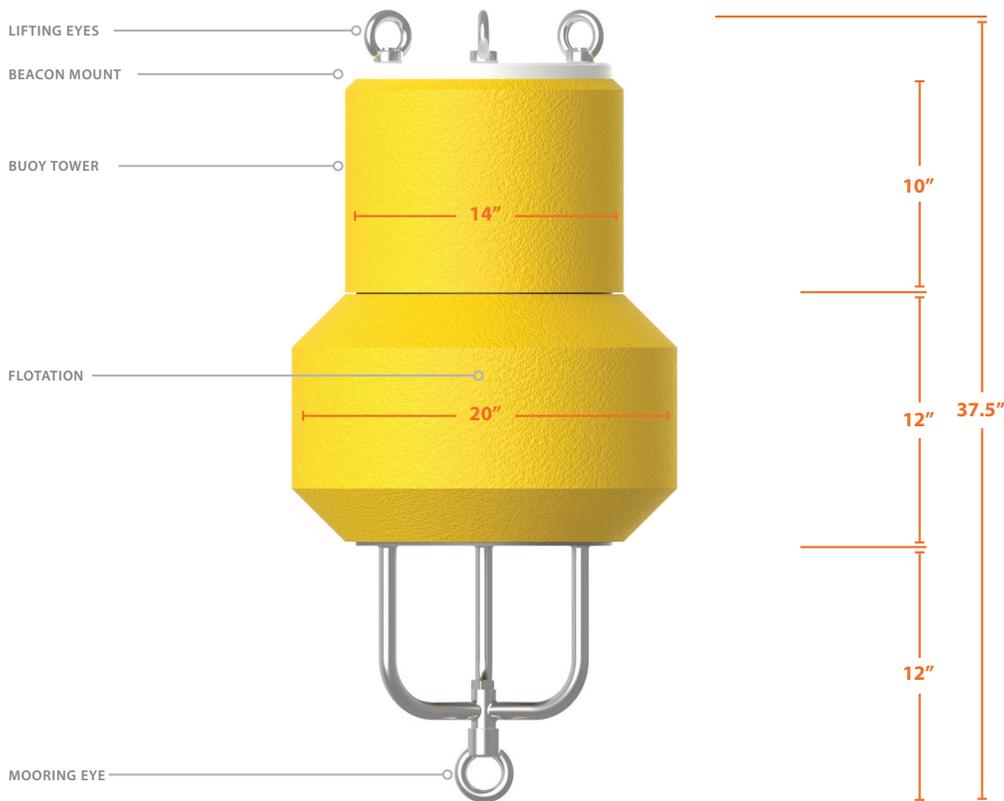
The **CB-50** Data Buoy is designed to accommodate NexSens **X2-SDL** submersible data loggers. Wireless telemetry options include cellular, Iridium satellite, and spread spectrum radio. The **X2-SDL** is configured with three sensor ports for connection to industry-standard digital interfaces including RS-485, RS-232 and SDI-12. Additional sensor inputs are available through the use of adapters. All sensor connections feature a double O-ring seal for a reliable waterproof connection.

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DATA BUOY

specifications

Hull Dimensions	20" (50.80 cm) outside diameter; 12" (30.48 cm) tall
Tower Dimensions	14" (35.56 cm) outside diameter; 10" (25.40 cm) tall
Center Hole Dimension	5.5" (13.97 cm) inside diameter
Weight	37 lbs. (16.78 kg) no payload; 50 lbs. (22.68 kg) with X2-SDL and solar marine light
Buoyancy	50 lbs. (22.68 kg)
Hull Material	Cross-linked polyethylene foam with polyurea coating & stainless steel deck
Hardware Material	316 stainless steel
Mooring Attachments	1 point, 3/4" eyenut



parts list

Part #	Description
CB-50	Data buoy with polymer-coated foam hull, 50 lb. buoyancy
X2-SDL	X2-SDL submersible data logger
X2-SDL-C-VZ4G	X2-SDL submersible data logger with Verizon 4G LTE cellular telemetry
X2-SDL-C-AT4G	X2-SDL submersible data logger with AT&T 4G LTE cellular telemetry
X2-SDL-I	X2-SDL submersible data logger with Iridium satellite telemetry
X2-SDL-R-DG	X2-SDL submersible data logger with 900 MHz radio telemetry
M550-F-Y	Solar marine light with flange mount & 1-3 nautical mile range, 15 flashes per minute, yellow
CAGE	Stainless steel data buoy instrument cage, 28"
CAGE-EX01	EX01 sonde mooring cage with clamps
CAGE-EX02	EX02 sonde mooring cage with clamps
CB-CCA	Cage anti-rotation collar for CB-Series data buoys
CM-600	Cage mount for water quality instruments
CB-ZA	Sacrificial zinc anode for CB-Series data buoys



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