

# CB-Series

## ENVIRONMENTAL DATA BUOYS

NexSens CB-Series Data Buoys are designed for deployment in lakes, rivers, coastal waters, harbors, estuaries and other freshwater or marine environments. The floating platform supports both topside and subsurface environmental monitoring sensors including weather stations, wave sensors, thermistor strings, multi-parameter sondes, Doppler current profilers and other monitoring instruments.

The buoys are constructed of an inner core of cross-linked polyethylene foam with a tough polyurea skin. A topside stainless steel tower includes three solar panels, and a center 10" ID data well accommodates batteries, data loggers, sensors and more. Three pass-through holes with female NPT bottom threads allow for quick connection of instrument deployment pipes and custom sensor mounts. The stainless steel frame supports both single-point and multi-point moorings.

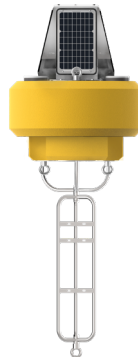
CALL [937.426.2703](tel:937.426.2703) OR  
EMAIL [INFO@NEXSENS.COM](mailto:INFO@NEXSENS.COM)  
TO BUILD A DATA BUOY  
SYSTEM



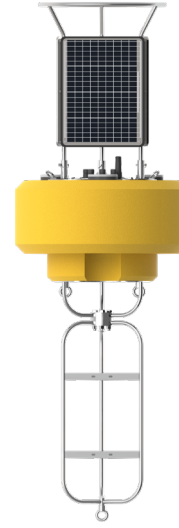
CB-150



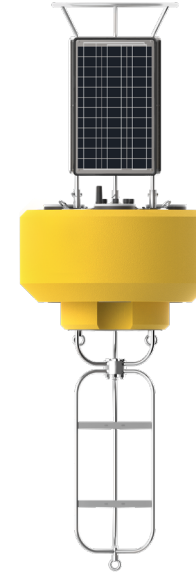
CB-250



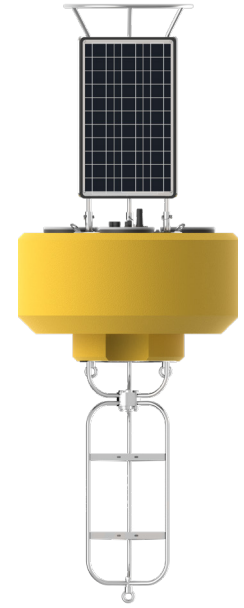
CB-450



CB-650



CB-950



CB-1250

Hull Outer Diameter	24.0" (61.0cm)	30.0" (76.2cm)	34.0" (86.4cm)	38.0" (96.5cm)	42.0" (106.7cm)	48.0" (121.9cm)
Hull Height	14.0" (35.6cm)	20.0" (50.8cm)	20.0" (50.8cm)	22.0" (55.9cm)	26.0" (66.0cm)	28.0" (71.1cm)
Data Well Inner Diameter	10.3" (26.2cm)	10.3" (26.2cm)	10.3" (26.2cm)	10.3" (26.2cm)	10.3" (26.2 cm)	10.3" (26.2cm)
Data Well Height	13.5" (34.2cm)	19.5" (49.5cm)	19.5" (49.5cm)	21.5" (54.6cm)	25.5" (64.8cm)	27.5" (69.9cm)
Pass-Through Hole Diameter	2.0" (5.1 cm)	2.0" (5.1 cm)	4.0" (10.2cm)	4.0" (10.2cm)	6.0" (15.2cm)	8.0" (20.3cm)
Tower Height	13.0" (33.0cm)	20.0" (50.8cm)	20.0" (50.8cm)	35.0" (88.9cm)	41.0" (104.1cm)	46.0" (116.8cm)
Solar Panels	3x 10-watts	3x 15-watts	3x 15-watts	3x 32-watts	3x 46-watts	3x 71-watts
Weight	100 lb (46kg)	115 lb (52kg)	130 lb (59kg)	215 lb (98kg)	285 lb (129kg)	300 lb (136kg)
Net Buoyancy	150 lb (68 kg)	250 lb (114kg)	450 lb (204kg)	650 lb (295kg)	950 lb (431kg)	1250 lb (567kg)