

XB-200

DATA BUOY

- Compact and easy to deploy
- 4G LTE or Iridium satellite telemetry options
- Supports a variety of environmental sensors
- Autonomous battery & solar power
- Rugged foam-filled polyethylene hull



The **XB-200** represents the next generation of data buoy platforms from NexSens Technology. It is ideal for applications requiring portability and quick deployment, yet strong enough for rough water. The platform is a popular choice for limnology research, dredge turbidity monitoring, temperature or dissolved oxygen profiling, fisheries and aquaculture monitoring, harmful algal bloom detection, and oil spill response.

The hull and solar tower on the **XB-200** are made from UV stabilized, linear low-density polyethylene (LLDPE), offering both flexibility and toughness. The hull is filled with a lightweight, closed-cell polyurethane foam to keep the buoy afloat even if pierced or damaged. Batteries are housed in a waterproof compartment in the buoy hull with additional room for measurement electronics and telemetric equipment.

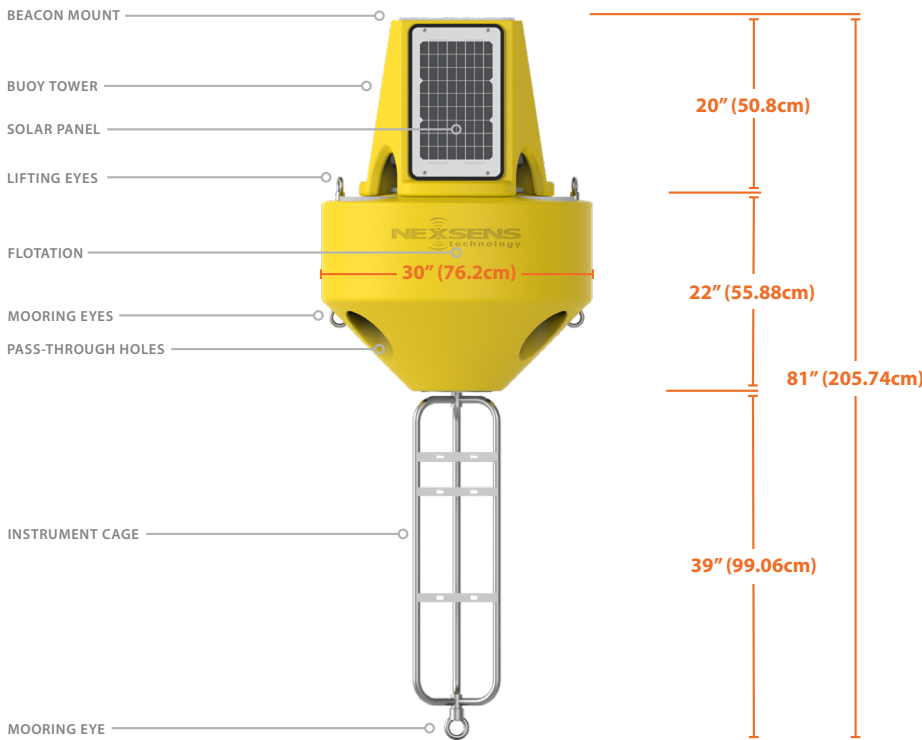
When configured with the NexSens **X3** 4G LTE cellular or Iridium satellite data logger, all electronics are mounted under the solar tower top plate for quick access and easy replacement. Three 4" pass-through ports accommodate water monitoring sensors, and a configurable top plate accommodates weather sensors along with a navigation beacon. Commonly integrated sensors include weather stations, wave sensors, thermistor strings, multi-parameter sondes, Doppler current profilers, and other monitoring instruments.

XB-200

DATA BUOY

specifications

Hull Outer Diameter	30.0" (76.2cm)
Hull Height	22.0" (55.8cm)
Battery Well Inner Diameter	9.7" (23.6cm) above battery
Battery Well Height	20.5" (52.1cm)
Pass-Through Hole Diameter	4.0" (10.2cm)
Tower Height	20.0" (50.8cm)
Solar Panels	3x 15-watts
Weight	67 lb. (30.4kg)
Net Buoyancy	200 lb. (91kg)
Hull Material	UV stabilized, linear low-density polyethylene (LLDPE) with closed-cell polyurethane foam fill
Hardware Material	316 stainless steel
Mooring Attachments	2x 5/8" eye nuts



parts list

Part #	Description
XB-200	XB-200 data buoy with 4" instrument holes & (3) 15-watt solar panels, 200 lb. buoyancy
XB-A06-1	XB-Series buoy battery assembly with solar regulator & (1) 28 A-Hr battery
XB-A06-2	XB-Series buoy battery assembly with solar regulator & (2) 28 A-Hr batteries
X3	X3 environmental data logger
X3-4G	X3 environmental data logger with global 4G LTE cellular telemetry
X3-IR	X3 environmental data logger with Iridium satellite telemetry
X3-4G-IR	X3 environmental data logger with global 4G LTE cellular telemetry/Iridium satellite fallback
M550-P-Y	Solar marine light with pole mount & 1-3 nautical mile range, 15 flashes per minute, yellow
BAL15	Ballast weight for data buoys, 15 lb.
CB-ZA	Sacrificial zinc anode for data buoys



tel: **937.426.2703**
8am to 5pm EST, Monday-Friday

fax: **937.426.1125**

NexSens Technology, Inc.
2091 Exchange Court
Fairborn, OH 45324
info@nexsens.com

nexsens.com