# CB-1250

#### DATA BUOY .....



- Cellular or Iridium satellite telemetry
- Supports a variety of environmental sensors
- Accommodates most environmental data loggers
- Rugged polymer-coated foam hull



The NexSens CB-1250 Data Buoy is 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 buoy is constructed of an inner core of cross-linked polyethylene foam with a tough polyurea skin. A topside 46" tall stainless steel tower includes three 71-watt 12VDC semi-flexible solar panels, and a center 10" ID x 27.5" tall data well accommodates batteries, data loggers, sensors, and more. Three 8" 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 multipoint moorings.

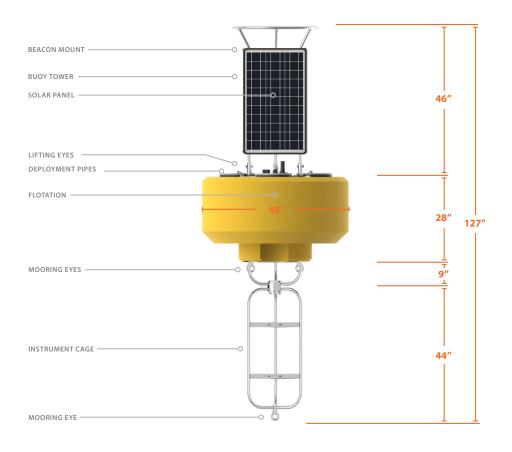
The CB-1250 Data Buoy is optimized for use with NexSens X2-CBMC data loggers. Wireless telemetry options include cellular and Iridium satellite. Compatible digital sensor interfaces include RS-232, RS-485 and SDI-12. Each sensor port offers a wet-mateable connector for a reliable waterproof connection. For custom integrations, an optional pass through data well lid includes a set of plugs and cable gland fittings.



## CB-1250

### specifications

| Hull Outer Diameter        | 48.0"(121.9cm)  |
|----------------------------|---|
| Hull Height                | 28.0"(71.1cm)   |
| Data Well Inner Diameter   | 10.3"(26.2cm)   |
| Data Well Height           | 27.5" (69.9cm)  |
| Pass-Through Hole Diameter | 8.0" (20.3cm)   |
| Tower Height               | 46.0" (116.8cm)   |
| Solar Panels               | 3x 71-watts   |
| Weight                     | 300 lb (136kg)  |
| Net Buoyancy               | 1250 lb (567kg)   |
| Hull Material              | Cross-linked polyethylene foam with polyurea coating & stainless steel deck |
| Hardware Material          | 316 stainless steel   |
| Mooring Attachments        | 3x 3/4" eyenuts   |



### parts list

| Part #                        | Description   |
|-------------------------------|---|
| CB-1250<br>CB-A05-3           | Data buoy with polymer-coated foam hull & (3) 71-watt solar panels, 1250 lb. buoyancy<br>Battery harness with integrated solar regulator & (3) 28 A-Hr batteries  |
| CB-A05-4<br>CB-PTL<br>X2-CBMC | Battery harness with integrated solar regulator & (4) 28 A-Hr batteries  CB-Series buoy pass through data well lid for custom integrations, includes set of plugs & cable gland fittings  X2-CBMC buoy-mounted data logger with MCBH connectors |
| M650H-Y                       | Solar marine light with 4 nautical mile range, 15 flashes per minute, yellow  |









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