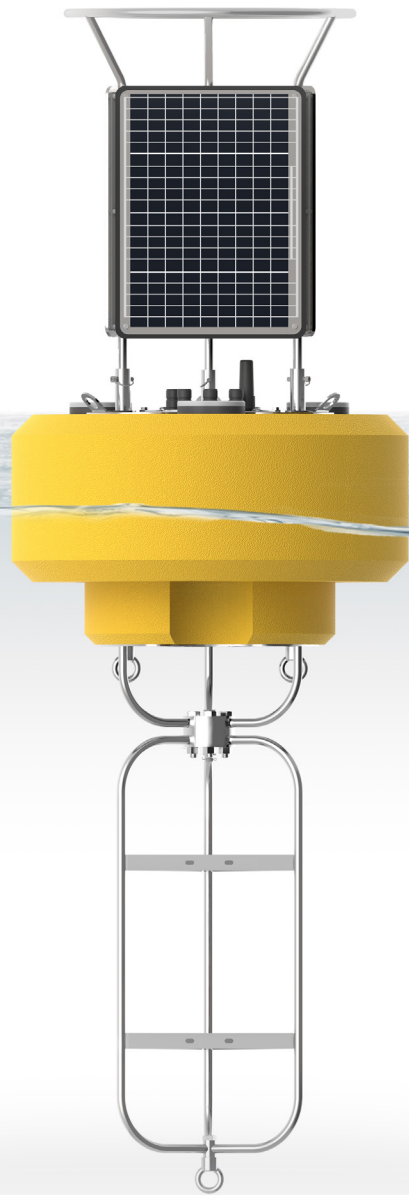


CB-650

DATA BUOY

- Self-powered data logging buoy
- 4G LTE cellular or Iridium satellite telemetry
- Supports a variety of environmental sensors
- Accommodates most environmental data loggers
- Rugged polymer-coated foam hull



The NexSens **CB-650** 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 35" tall stainless steel tower includes three 32-watt 12VDC semi-flexible solar panels, and a center 10" ID x 21.5" tall data well accommodates batteries, data loggers, sensors, and more. Three 4" 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.

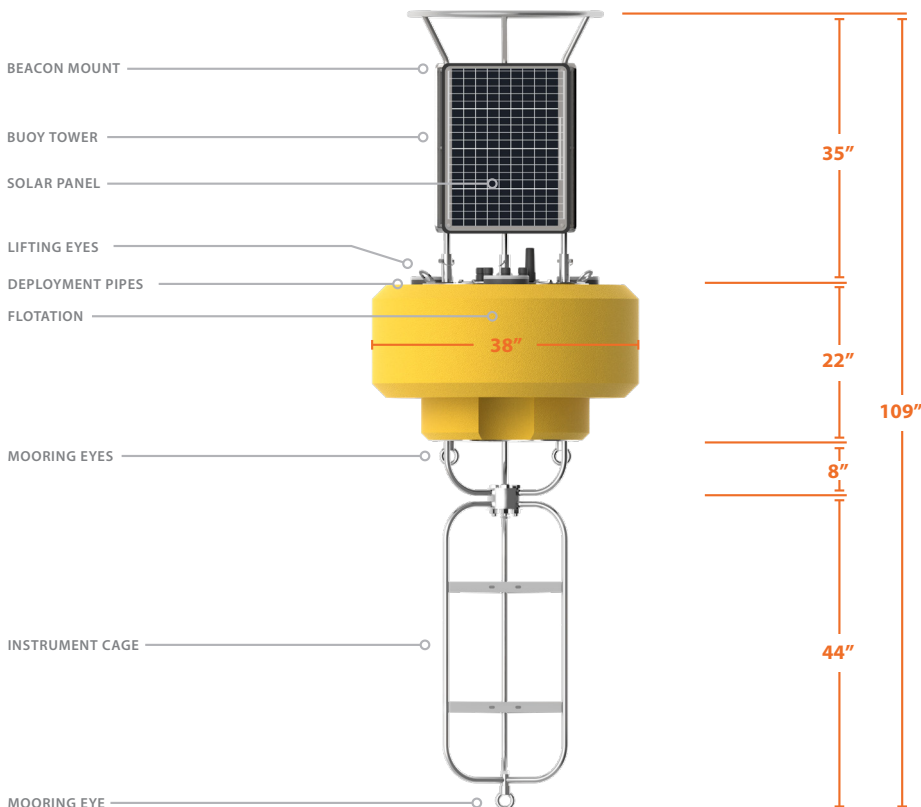
The **CB-650** Data Buoy is optimized for use with NexSens **X3** data loggers. Wireless telemetry options include global 4G LTE cellular, Iridium satellite, and global 4G LTE cellular with Iridium satellite fallback. Compatible digital sensor interfaces include RS-232, RS-485 and SDI-12. Each sensor port offers a UW receptacle connector with double O-ring seal for a reliable waterproof connection. For custom integrations, **CB-PTL** pass through and **CB-MCL** wet-mate data well lids are available.

CB-650

DATA BUOY

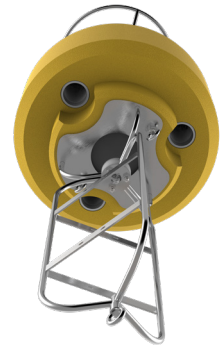
specifications

Hull Outer Diameter	38.0" (96.5cm)
Hull Height	22.0" (55.9cm)
Data Well Inner Diameter	10.3" (26.2cm)
Data Well Height	21.5" (54.6cm)
Pass-Through Hole Diameter	4.0" (10.2cm)
Tower Height	35.0" (88.9cm)
Solar Panels	3x 32-watts
Weight	182 lb (83kg)
Gross Buoyancy	681 lb (309kg)
Net Buoyancy	499 lb (226kg)
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-650	CB-650 data buoy with polymer-coated foam hull & (3) 32-watt solar panels
CB-A05-1	CB-Series buoy battery harness with integrated solar regulator & (1) 28 A-Hr battery
CB-A05-2	CB-Series buoy battery harness with integrated solar regulator & (2) 28 A-Hr batteries
CB-A05-3	CB-Series buoy battery harness with integrated solar regulator & (3) 28 A-Hr batteries
CB-X3L	CB-Series buoy data well lid for X3 data logger integration
CB-PTL	CB-Series buoy pass through data well lid for custom integrations, includes set of plugs & cable gland fittings
CB-MCL	CB-Series buoy wet-mate data well lid for custom integrations, includes solar connector pigtail & pressure relief valve (MCBH connectors sold separately)



tel: **937.426.2703**
8am to 7pm EST, Monday-Friday

fax: **937.426.1125**

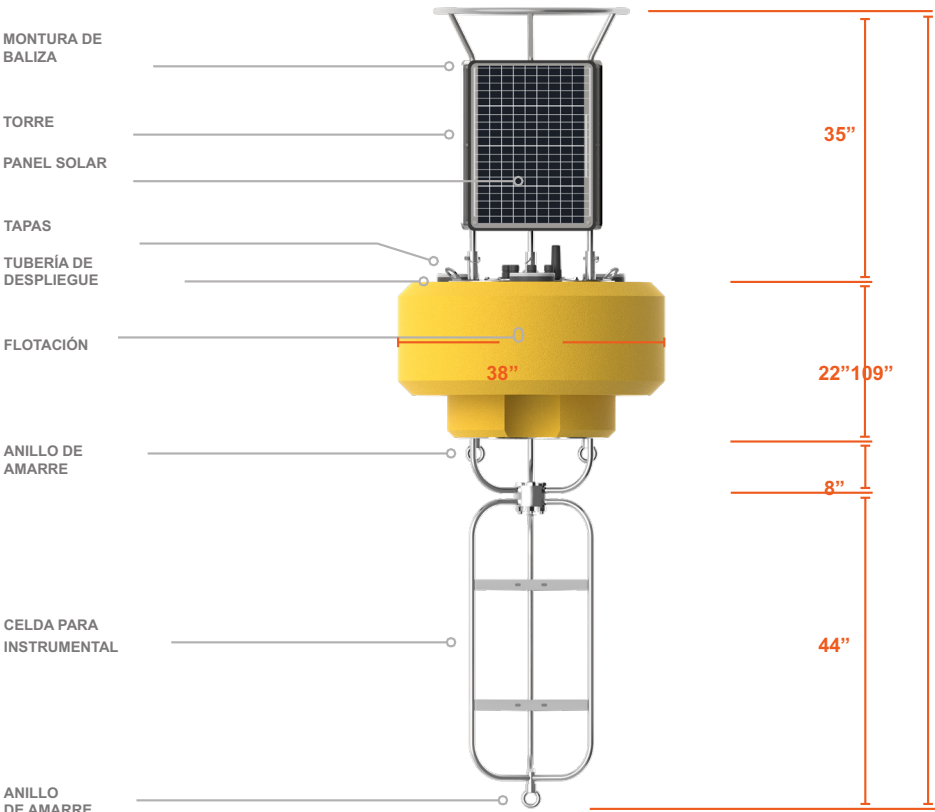
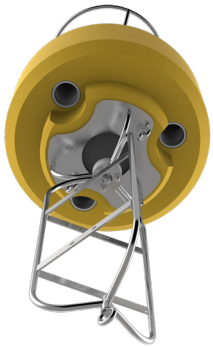
NexSens Technology, Inc.
2091 Exchange Court
Fairborn, OH 45324
info@nexsens.com

nexsens.com

CB-650

boya de datos especificaciones

Diámetro externo de casco	38.0" (96.5cm)
Altura de casco	22.0" (55.9cm)
Diámetro interno de la cámara de datos	10.3" (26.2cm)
Altura de la cámara de datos	21.5" (54.6cm)
Diámetro de agujero pasante	4.0" (10.2cm)
Altura de la torre	35.0" (88.9cm)
Paneles solares	3x 32-watts
Peso	215 lb (98kg)
Flotabilidad Neta	650 lb (295kg)
Material del casco	Espuma de polietileno con revestimiento de poliurea y cubierta de acero inoxidable
Material del equipo	316 acero inoxidable
Accesorios de Amarre	tuercas 3x 3/4"



partes

Parte #	Descripción
CB-650	Boya de datos con estructura revestida en polímero y (3) paneles solares de 32-watt, 650 lb. de flotabilidad neta
CB-A05-1	Arnés de batería con regulador solar integrado para boyas de la serie CB y (1) batería 28 A-Hr
CB-A05-2	Arnés de batería con regulador solar integrado para boyas de la serie CB y (2) baterías 28 A-Hr
CB-A05-3	Arnés de batería con regulador solar integrado para boyas de la serie CB y (3) baterías 28 A-Hr
CB-X3L	Tapa de cámara de datos para integración con el datalogger X3 para la serie CB
CB-PTL	Tapa de cámara de datos para integración a medida, incluye tapones y conectores de cable
CB-MCL	Tapa de cámara de datos impermeable para integraciones a medida, incluye conector solar y válvula de escape de presión (los conectores MCBH se venden por separado)

NEXSENS
technology

**BASE
FLOW**

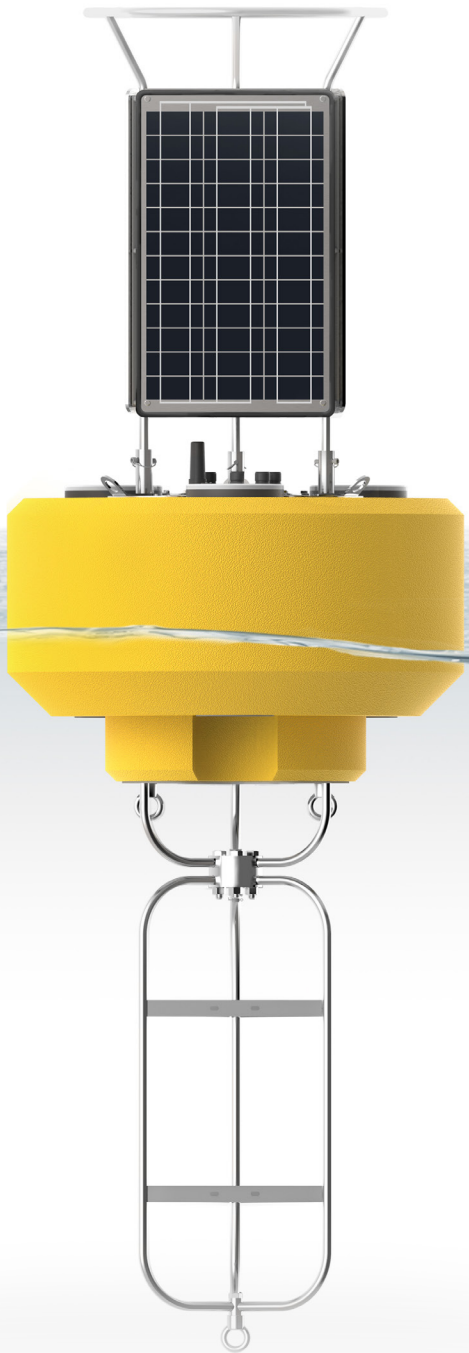
Ph/WA: +1 305.883.5649

sales@baseflow.net

CB-950

DATA BUOY

- Self-powered data logging buoy
- 4G LTE cellular or Iridium satellite telemetry
- Supports a variety of environmental sensors
- Accommodates most environmental data loggers
- Rugged polymer-coated foam hull



The NexSens **CB-950** 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 41" tall stainless steel tower includes three 46-watt 12VDC semi-flexible solar panels, and a center 10" ID x 25.5" tall data well accommodates batteries, data loggers, sensors, and more. Three 6" 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.

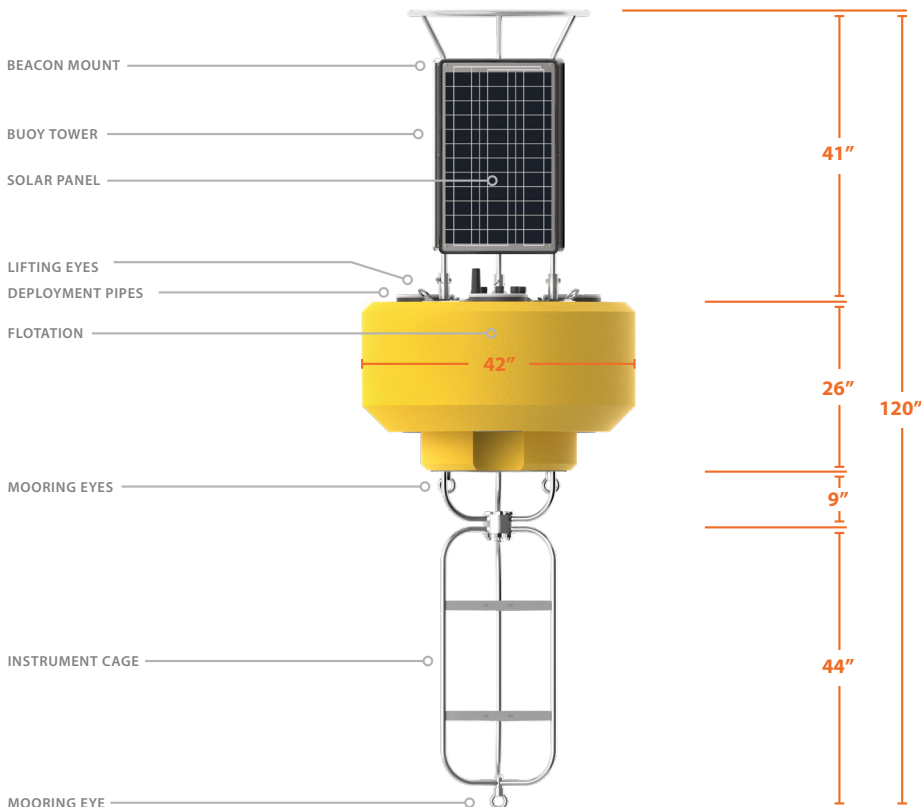
The **CB-950** Data Buoy is optimized for use with NexSens **X3** data loggers. Wireless telemetry options include global 4G LTE cellular, Iridium satellite, and global 4G LTE cellular with Iridium satellite fallback. Compatible digital sensor interfaces include RS-232, RS-485 and SDI-12. Each sensor port offers a UW receptacle connector with double O-ring seal for a reliable waterproof connection. For custom integrations, **CB-PTL** pass through and **CB-MCL** wet-mate data well lids are available.

CB-950

DATA BUOY

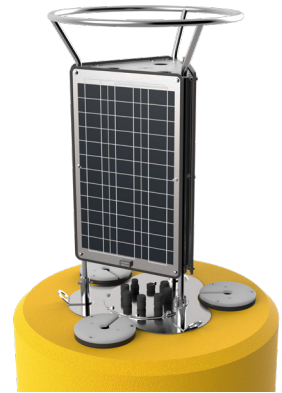
specifications

Hull Outer Diameter	42.0" (106.7cm)
Hull Height	26.0" (66.0cm)
Data Well Inner Diameter	10.3" (26.2cm)
Data Well Height	25.5" (64.8cm)
Pass-Through Hole Diameter	6.0" (15.2cm)
Tower Height	41.0" (104.1cm)
Solar Panels	3x 46-watts
Weight	219 lb (99kg)
Gross Buoyancy	947 lb (430kg)
Net Buoyancy	728 lb (330kg)
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-950	CB-950 data buoy with polymer-coated foam hull & (3) 46-watt solar panels
CB-A05-1	CB-Series battery harness with integrated solar regulator & (1) 28 A-Hr battery
CB-A05-2	CB-Series battery harness with integrated solar regulator & (2) 28 A-Hr batteries
CB-A05-3	CB-Series battery harness with integrated solar regulator & (3) 28 A-Hr batteries
CB-X3L	CB-Series buoy data well lid for X3 data logger integration
CB-PTL	CB-Series buoy pass through data well lid for custom integrations, includes set of plugs & cable gland fittings
CB-MCL	CB-Series buoy wet-mate data well lid for custom integrations, includes solar connector pigtail & pressure relief valve (MCBH connectors sold separately)



tel: **937.426.2703**
8am to 7pm EST, Monday-Friday

fax: **937.426.1125**

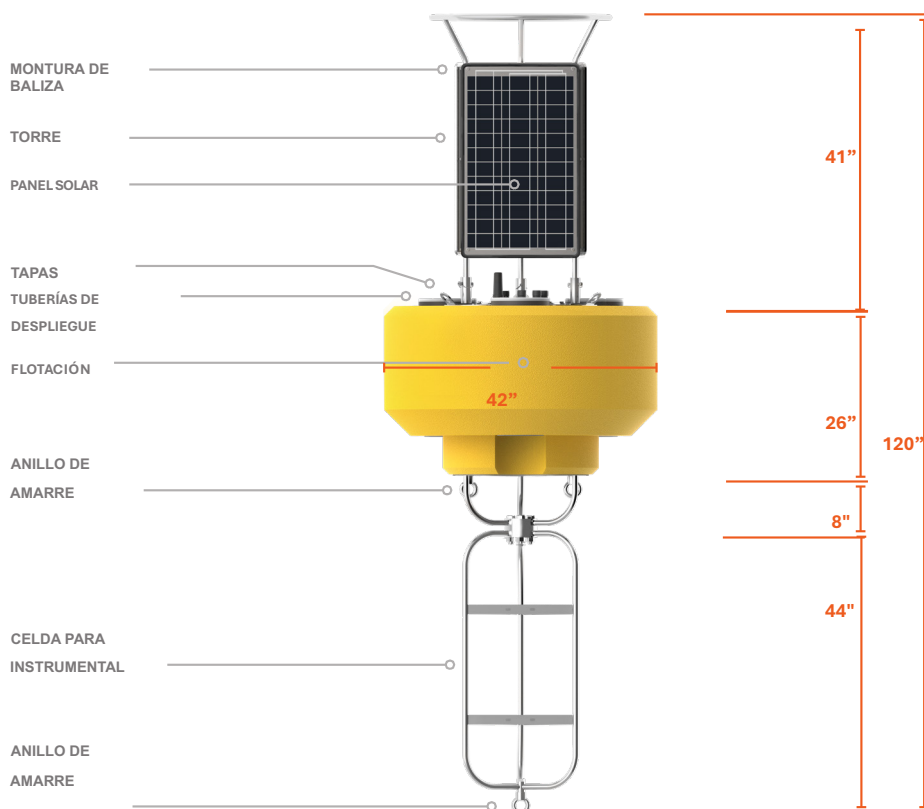
NexSens Technology, Inc.
2091 Exchange Court
Fairborn, OH 45324
info@nexsens.com

nexsens.com

CB-950

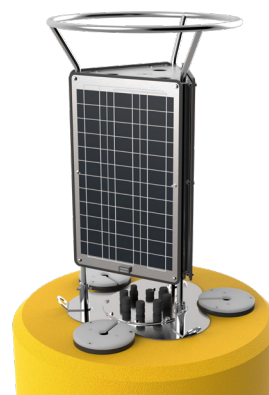
boya de datos especificaciones

Diámetro externo de casco	42.0" (106.7cm)
Altura de casco	26.0" (66.0cm)
Diámetro interno de la cámara de datos	10.3" (26.2cm)
Altura de la cámara de datos	25.5" (64.8cm)
Diámetro de agujero pasante	6.0" (15.2cm)
Altura de la torre	41.0" (104.1cm)
Paneles solares	3x 46-watts
Peso	285 lb (129kg)
Flotabilidad Neta	950 lb (431kg)
Material del casco	Espuma de polietileno con revestimiento de poliurea y cubierta de acero inoxidable
Material del equipo	316 stainless steel
Accesorios de Amarre	tuercas 3x 3/4"



partes

Parte #	Descripción
CB-650	Boya de datos con estructura revestida en polímero y (3) paneles solares de 46-watt, 950 lb. de flotabilidad neta
CB-A05-1	Arnés de batería con regulador solar integrado para boyas de la serie CB y (1) batería 28 A-Hr
CB-A05-2	Arnés de batería con regulador solar integrado para boyas de la serie CB y (2) baterías 28 A-Hr
CB-A05-3	Arnés de batería con regulador solar integrado para boyas de la serie CB y (3) baterías 28 A-Hr
CB-X3L	Tapa de cámara de datos para integración con el datalogger X3 para la serie CB
CB-PTL	Tapa de cámara de datos para integración a medida, incluye tapones y conectores de cable
CB-MCL	Tapa de cámara de datos impermeable para integraciones a medida, incluye conector solar y válvula de escape de presión (los conectores MCBH se venden por separado)



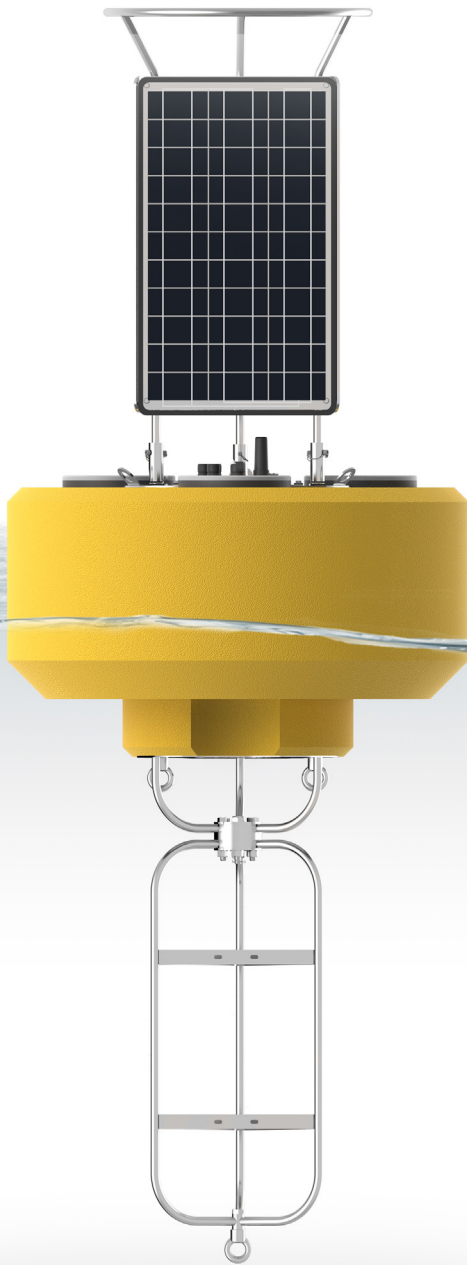
Ph/WA: +1 305.883.5649

sales@baseflow.net

CB-1250

DATA BUOY

- Self-powered data logging buoy
- 4G LTE 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 multi-point moorings.

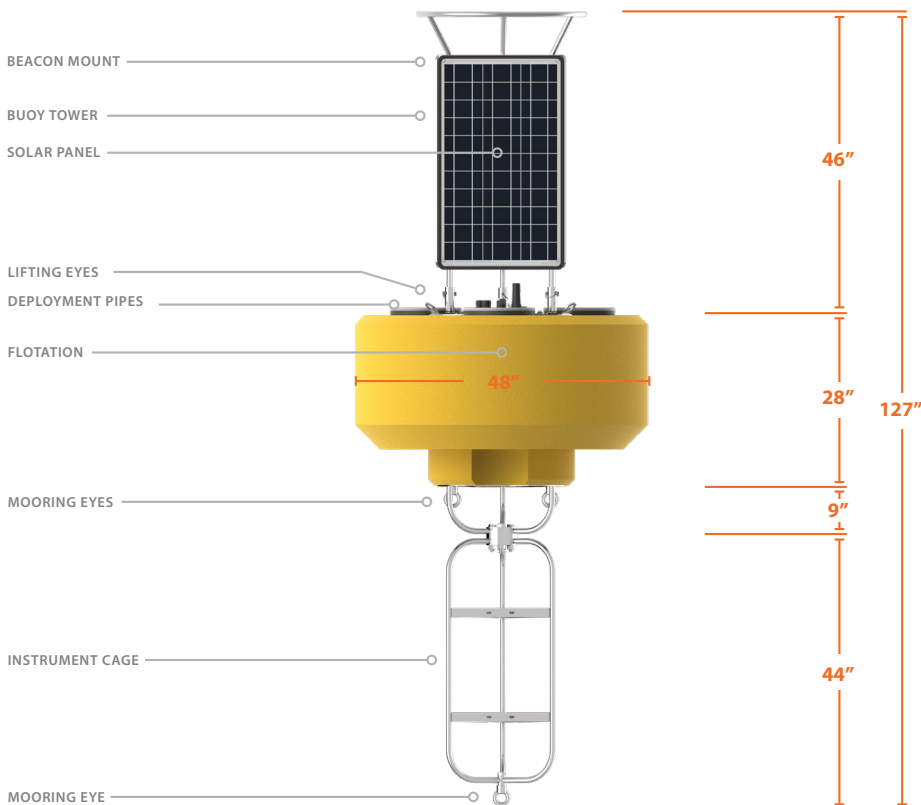
The **CB-1250** Data Buoy is optimized for use with NexSens **X3** data loggers. Wireless telemetry options include global 4G LTE cellular, Iridium satellite, and global 4G LTE cellular with Iridium satellite fallback. Compatible digital sensor interfaces include RS-232, RS-485 and SDI-12. Each sensor port offers a UW receptacle connector with double O-ring seal for a reliable waterproof connection. For custom integrations, **CB-PTL** pass through and **CB-MCL** wet-mate data well lids are available.

CB-1250

DATA BUOY

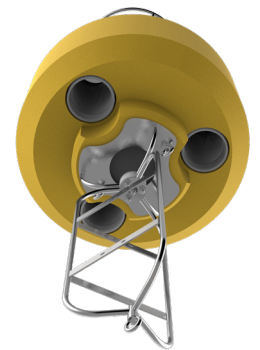
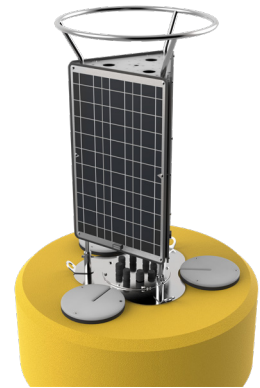
specifications

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	262 lb (119kg)
Gross Buoyancy	1306 lb (592kg)
Net Buoyancy	1044 lb (474kg)
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	CB-1250 data buoy with polymer-coated foam hull & (3) 71-watt solar panels
CB-A05-1	CB-Series buoy battery harness with integrated solar regulator & (1) 28 A-Hr battery
CB-A05-2	CB-Series buoy battery harness with integrated solar regulator & (2) 28 A-Hr batteries
CB-A05-3	CB-Series buoy battery harness with integrated solar regulator & (3) 28 A-Hr batteries
CB-A05-4	CB-Series buoy battery harness with integrated solar regulator & (4) 28 A-Hr batteries
CB-X3L	CB-Series buoy data well lid for X3 data logger integration
CB-PTL	CB-Series buoy pass through data well lid for custom integrations, includes set of plugs & cable gland fittings
CB-MCL	CB-Series buoy wet-mate data well lid for custom integrations, includes solar connector pigtail & pressure relief valve (MCBH connectors sold separately)



tel: **937.426.2703**
8am to 7pm EST, Monday-Friday

fax: **937.426.1125**

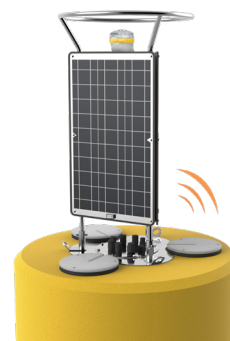
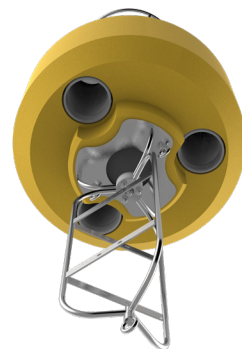
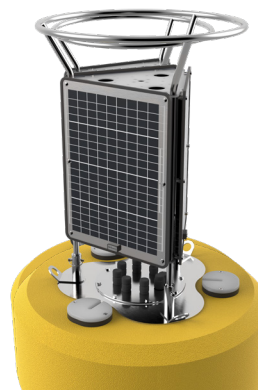
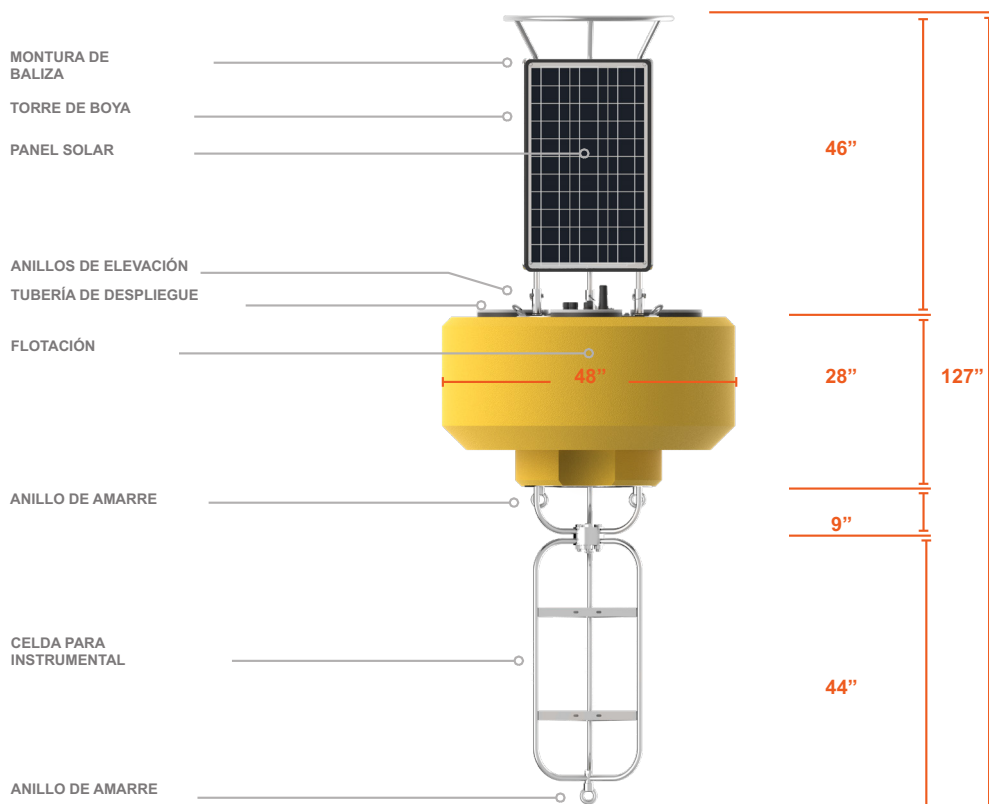
NexSens Technology, Inc.
2091 Exchange Court
Fairborn, OH 45324
info@nexsens.com

nexsens.com

CB-1250

boya de datos especificaciones

Diámetro externo de casco	48.0" (121.9cm)
Altura de casco	28.0" (71.1cm)
Diámetro de la cámara de datos	10.3" (26.2cm)
Altura de la cámara de datos	27.5" (69.9cm)
Diámetro de agujero pasante	8.0" (20.3cm)
Altura de la torre	46.0" (116.8cm)
Paneles solares	3x 71-watts
Peso	300 lb (136kg)
Flotabilidad neta	1250 lb (567kg)
Material del casco	Espuma de polietileno entrecruzado con revestimiento de poliurea y cubierta de acero inoxidable
Material del equipo	316 acero inoxidable
Accesorios de amarre	tuercas 3x 3/4"



partes

Parte #	Descripción
CB-1250	Boya de datos con estructura revestida en polímero y (3) paneles solares de 71-watt, 1250 lb. de flotabilidad neta
CB-A05-1	Arnés de batería con regulador solar integrado para boyas de la serie CB y (1) batería 28 A-Hr
CB-A05-2	Arnés de batería con regulador solar integrado para boyas de la serie CB y (2) baterías 28 A-Hr
CB-A05-3	Arnés de batería con regulador solar integrado para boyas de la serie CB y (3) baterías 28 A-Hr
CB-A05-4	Arnés de batería con regulador solar integrado para boyas de la serie CB y (4) baterías 28 A-Hr
CB-X3L	Tapa de cámara de datos para integración con el datalogger X3 para la serie CB
CB-PTL	Tapa de cámara de datos para integración a medida, incluye tapones y conectores de cable
CB-MCL	Tapa de cámara de datos impermeable para integraciones a medida, incluye conector solar y válvula de escape de presión (los conectores MCBH se venden por separado)



Ph/WA: +1 305.883.5649

sales@baseflow.net