

ENVIRONMENTAL MEASUREMENT PRODUCTS



Better Data
It's never been easier



Better Data

The way we monitor the environment is changing. The days of manual data collection at a few sites are gone. Complex wiring and data logger programming are things of the past. Technology has changed everything. Smartphones, Wi-Fi, broadband, and cloud computing let people gather information and communicate in real-time from any place on earth. It's never been easier to get and share information.

Collecting and sharing environmental data is just as easy. Here at NexSens, we call this better data. Our goal is to help people collect and share better data. It's why we do what we do and it's why we created our next generation X-Series data logger and WQData LIVE cloud-based data management system.

With a goal of creating a platform for collecting and sharing better data, the NexSens development team set out to create the world's most versatile environmental measurement system. They knew that it would need to provide years of reliable service in the harshest conditions, wirelessly connect to the cloud, transmit data from remote sites, and work with a comprehensive list of environmental measurement sensors.

Learn more about NexSens Technology and environmental measurement systems at www.nexsens.com.

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About NexSens

NexSens Technology is a US-based company specializing in the design and manufacture of real-time environmental measurement systems.

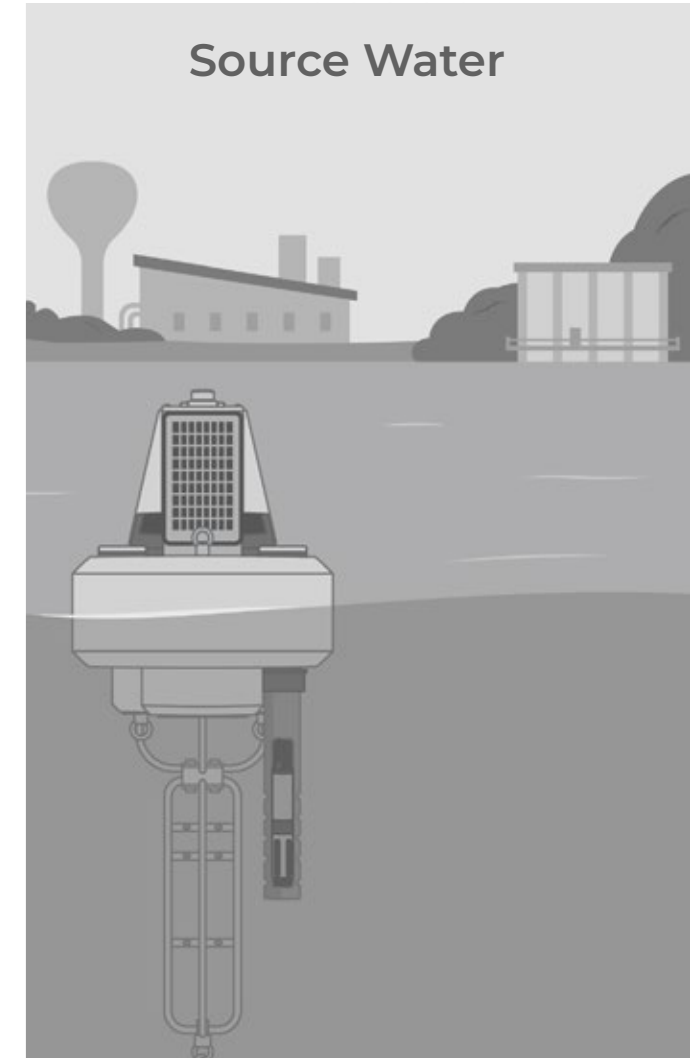
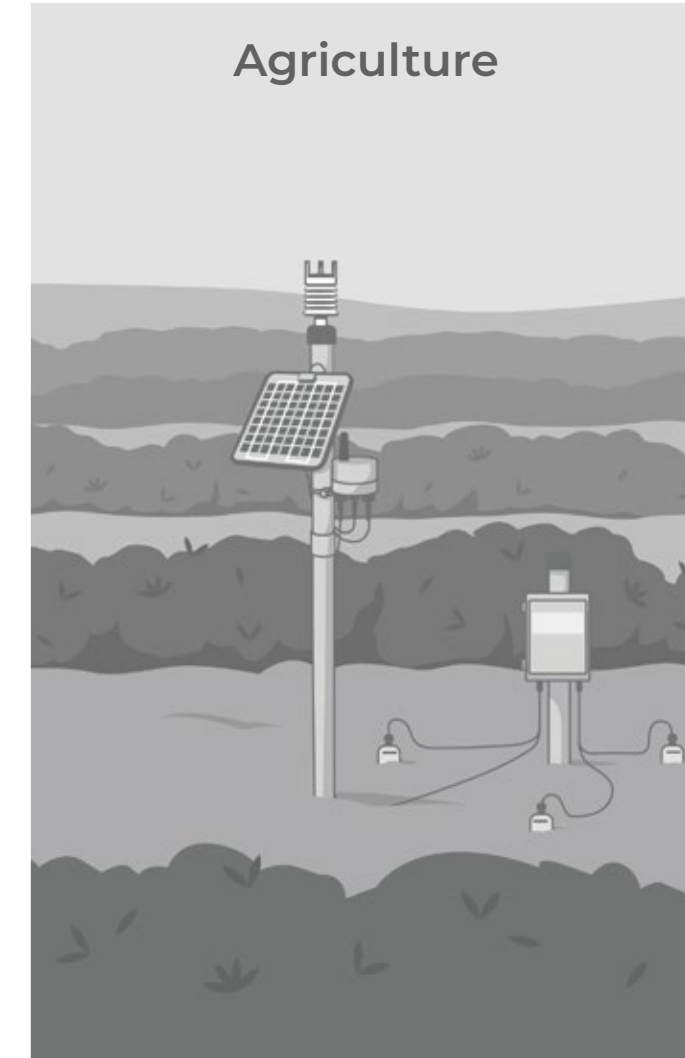
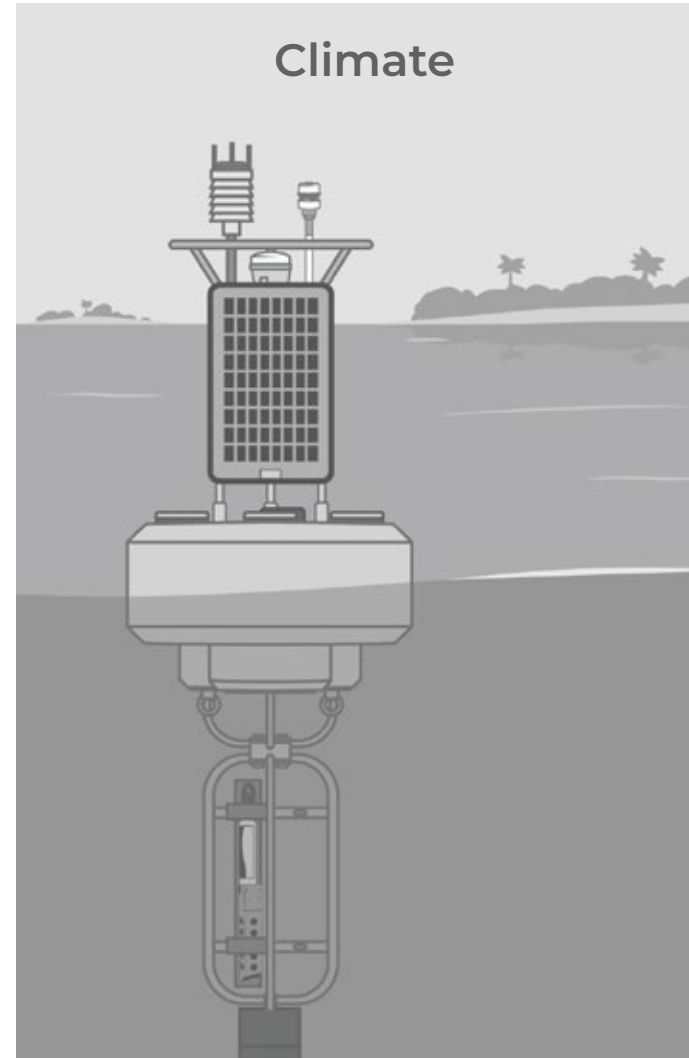
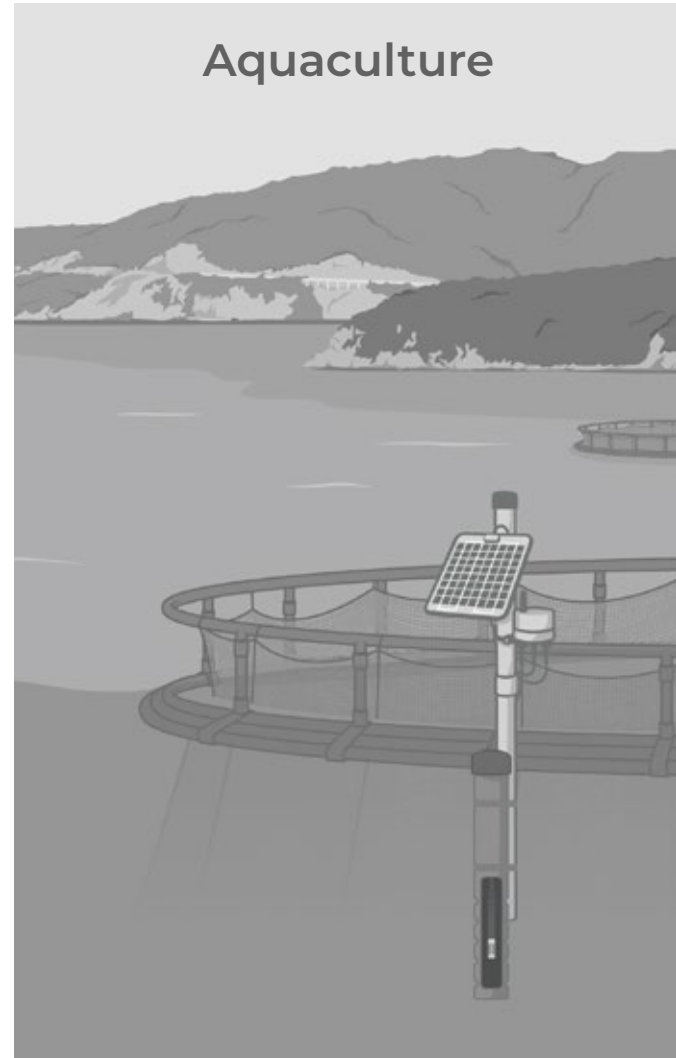
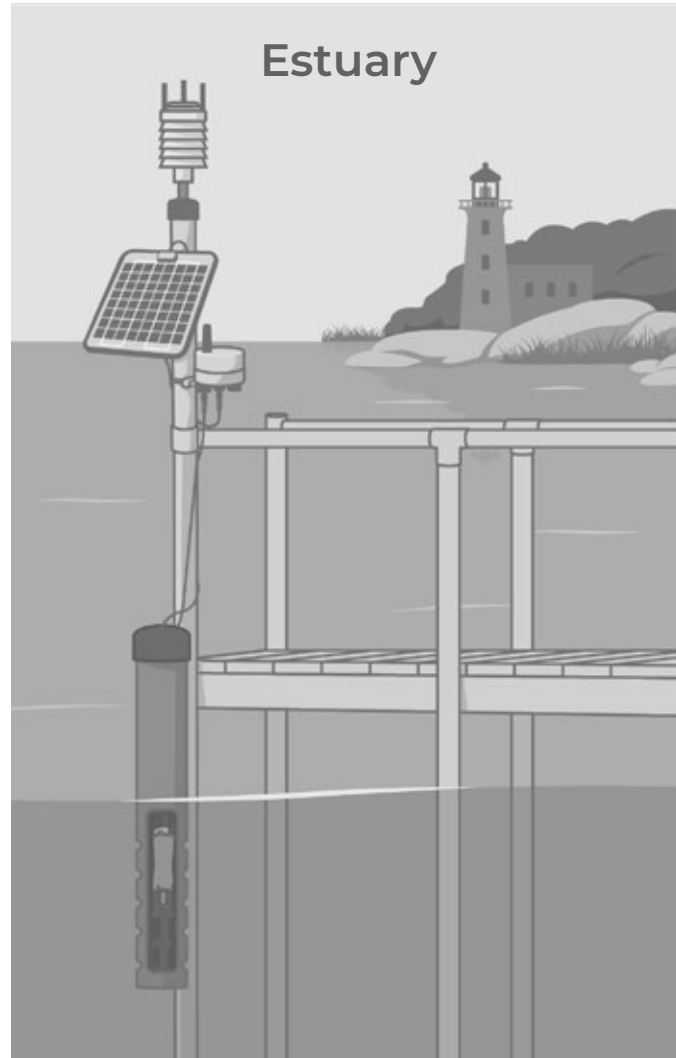
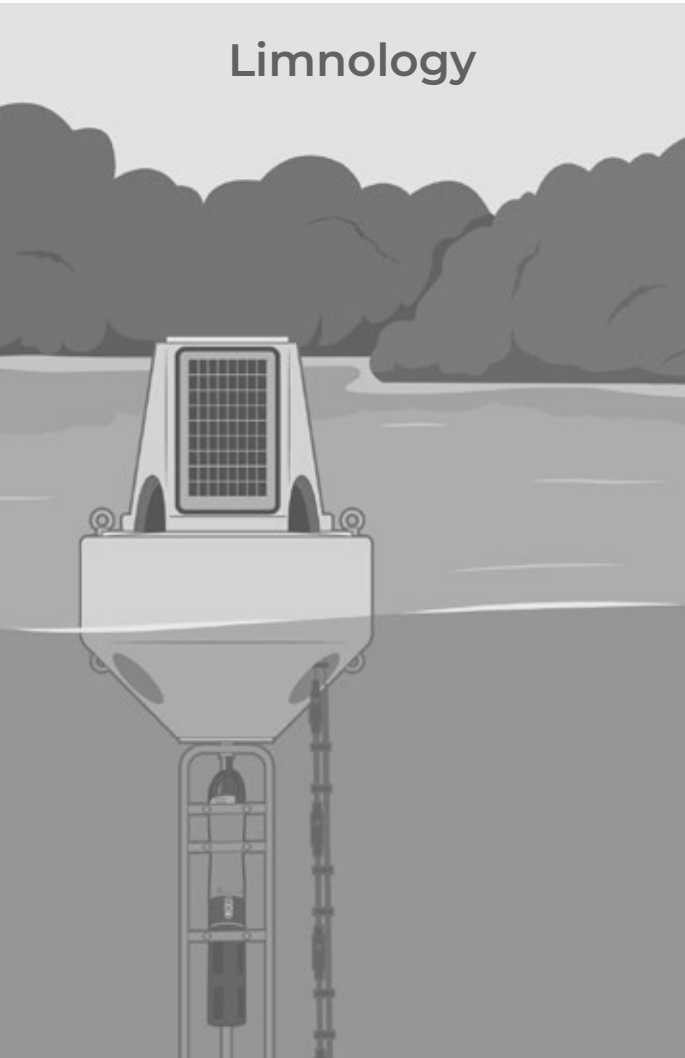
Recent developments in data logger, sensor, mobile computing, and internet technologies simplify collecting and sharing environmental project data. NexSens measurement systems employ these latest technologies and provide high-quality data transmitted by cellular, satellite or radio, and shared in real-time on a secure cloud-based datacenter.

Environmental professionals around the world configure and deploy these systems in a wide variety of applications. The services and support provided by the NexSens application team help ensure successful project startup and continued operation.



Monitoring Applications

NexSens data loggers offer industry-leading versatility. With a large integrated sensor library, other manufacturers' sensors and instruments, including water quality sondes, current meters, weather stations and specialized measurement systems, are easy to connect and configure. Users can quickly set up a standard or customize a real-time system for any application.



For more systems and applications, visit www.nexsens.com/systems

X3

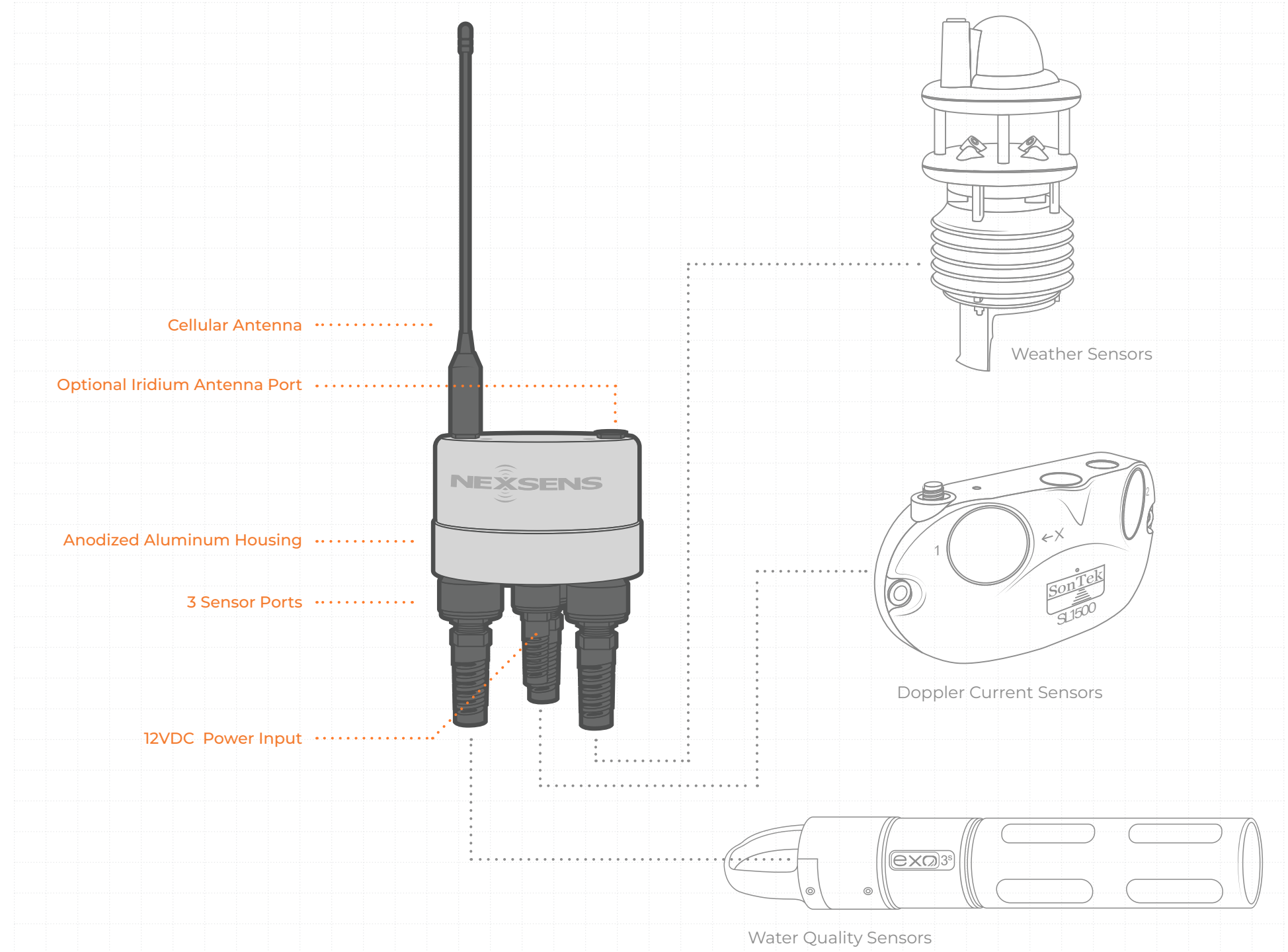
The X3 is an all-in-one environmental data logger designed for both pole/wall mount and buoy-based applications. The three waterproof sensor ports are compatible with most environmental sensors. All connections are made with a simple thread-in connector, and the built-in sensor library automatically facilitates setup and configuration. Data is stored on common or independent schedules.

Advanced power management combined with ultra-low sleep and run currents extend battery life and eliminate the need for multi-battery arrays or large solar charging systems. Internal temperature, humidity, voltages, and currents are constantly recorded by the X3, and failure alerts can be sent automatically to a predefined list of contacts.

Using integrated Bluetooth or optional USB adapter, users can configure the X3 data logger for deployment, view live data, change settings, or troubleshoot. Optional integrated 4G LTE cellular or Iridium satellite telemetry modules offer 2-way remote communications via the WQData LIVE web datacenter. Other features include automated reports, email/text alarms, public portal, and much more.

Key Features

- Supports most industry environmental sensors
- 4G LTE or Iridium satellite telemetry options
- Direct PC or cloud-based communications
- Waterproof sensor and power ports
- Marine anodized aluminum housing



X3-SUB

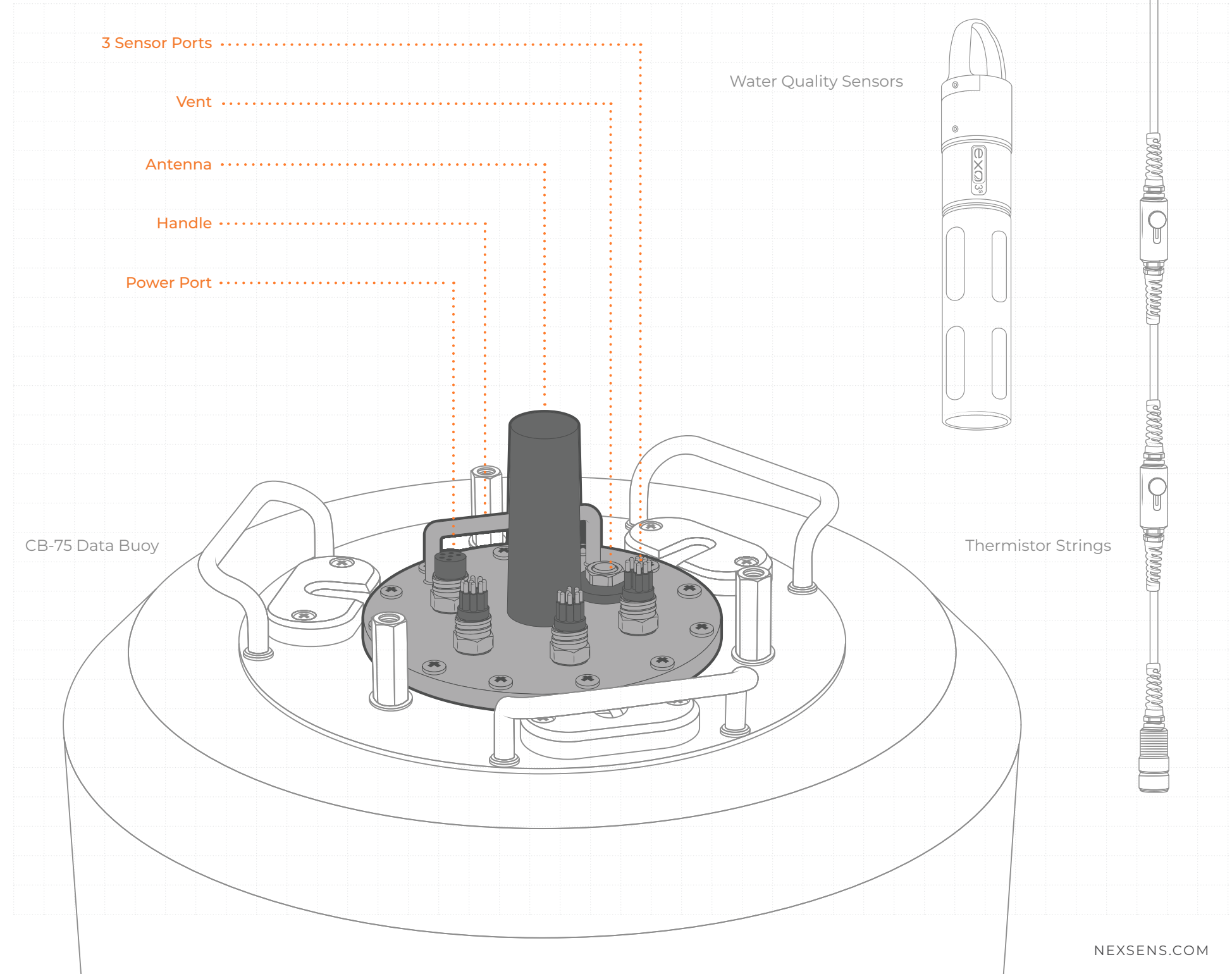
The X3-SUB Submersible Data Logger is a rugged, self-powered remote data logging system specifically designed for offshore use without fear of accidental flooding. The system is configured with three sensor ports for connection to most environmental sensors. All connections are made using wet-mate connectors, and the built-in sensor library automatically facilitates setup and configuration. Sensor data is recorded on common or independent schedules.

Unlike many data loggers, the X3-SUB can withstand extreme wave action, floods, periodic & long-term deployment underwater, and more. The Type 316 stainless steel housing is completely sealed and waterproof for long-term sub-surface data logging. When fitted for wireless remote communication, the cellular and satellite antennas are also waterproof. The X3-SUB can be powered by internal SLA battery, alkaline battery pack, or external 12 VDC power.

Using integrated Bluetooth or optional USB adapter, users can configure the X3-SUB data logger for deployment, view live data, change settings, or troubleshoot. Optional integrated 4G LTE cellular or Iridium satellite telemetry modules offer 2-way remote communications via the WQData LIVE web datacenter. Other features include automated reports, email/text alarms, public portal, and much more.

Key Features

- Supports most industry environmental sensors
- 4G LTE or Iridium satellite telemetry options
- Direct PC or cloud-based communications
- MCIL/MCBH wet-mate sensor and power ports
- Type 316 stainless steel housing



Water Quality Sensors



*actual size



*actual size

NEW NX250 Dissolved Oxygen Sensor

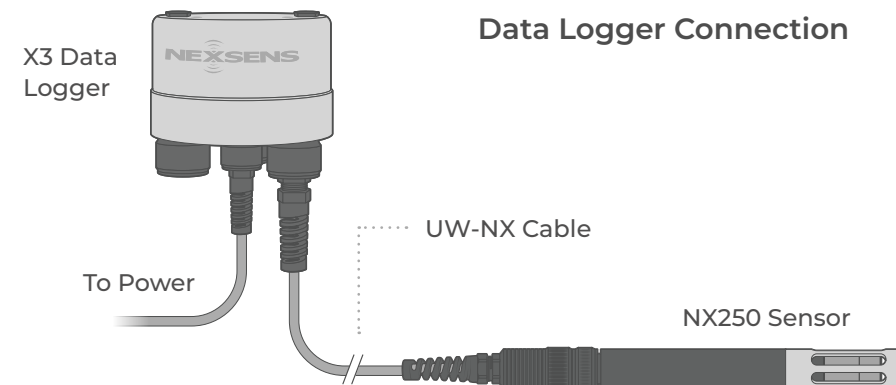
The NexSens NX250 is an optical sensor designed to measure dissolved oxygen and temperature in both freshwater and marine environments. The compact and affordable probe is ideally suited for aquaculture, hydroelectric dams, DO/temperature profiling strings, and other basic water quality applications where reliable oxygen measurements are needed.

The NX250 is constructed with a plastic body and stainless-steel probe guard. CONNECT Software provides a convenient interface for configuration and calibration and sensor verification. The consumable optical cap is user-replaceable with a simple threaded connection. The NX250 features a plug-and-play interface with X-Series data loggers.

Key Features

- Measures both dissolved oxygen & temperature
- Low maintenance optical measurement technology
- Integrated probe guard for added protection
- RS-485 Modbus RTU or SDI-12 output options

NX250 Sensor Specifications		
Sensor	Dissolved Oxygen	Temperature
Range	0-20 mg/L or 0-200% air saturation	0-50°C
Accuracy	1%	±0.2 °C
Resolution	0.01mg/L	0.1°C
Unit	mg/L	°C



NEW NX260 Turbidity Sensor

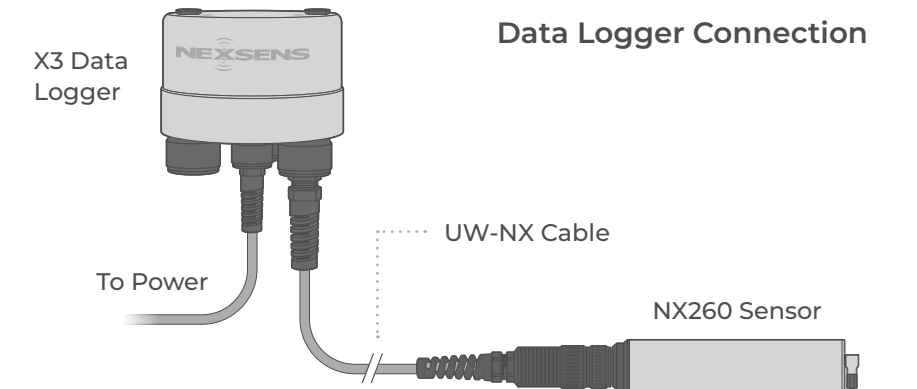
The NexSens NX260 Turbidity Sensor is an optical, self-cleaning sensor designed to measure turbidity in lakes, rivers, and other freshwater or marine environments. The probe is ideal for construction sites, dredging projects, stormwater applications, and many other water quality monitoring settings where water clarity is a concern.

The sensor is housed in a corrosion-resistant titanium body with a scratch-resistant sapphire lens. No wiring or programming is required to integrate the sensor with NexSens X-Series data loggers.

Key Features

- Outputs turbidity measurements in FNU
- Wiper cleans optics prior to each measurement
- Supports end user calibrations via CONNECT Software
- RS-485 Modbus RTU or SDI-12 output options

NX260 Sensor Specifications	
Sensor	Turbidity
Range	0-1000 FNU
Accuracy	<5% or 0.3 FNU WIG
Resolution	0.1 FNU
Unit	FNU



Temperature Sensors



TS210 Temperature String

The NexSens TS210 Temperature String provides high precision measurements for profiling in lakes, streams, and coastal waters.

Key Features:

- Integrated thermistor with standard or custom spacing.
- +/- 0.075 C accuracy for precision temperature measurements.
- Marine-grade cable with braided Kevlar core.

TS210 & T-Node FR Sensor Specifications	
Sensor	Thermistor
Range	0 to 45 °C (32 to 113 °F)
Accuracy	+/-0.075 °C
Resolution	0.01 °C
Unit	°C



T-Node FR Temperature Sensor

The NexSens T-Node FR Temperature Sensor provides high precision measurements in a connectorized and addressable architecture for water quality profiling.

Key Features:

- Build multi-point temperature strings by connecting T-Nodes to underwater cables
- +/- 0.075 C accuracy for precision temperature measurements
- Includes sensorBUS for connecting other smart sensors



What is the difference between the T-Node FR and the TS210?

The TS210 is a more affordable and generally more robust temperature string, as the cable is epoxied to both ends of the thermistor in place of connectors. The connectors on either end of the T-Node FR sensor allow the end user to add, remove, and reconfigure the string themselves, making it a more flexible solution.

What other sensors are commonly integrated on a T-Node FR string?

Dissolved oxygen sensors are frequently added to thermistor strings to help identify hypoxic zones in lakes. A two-way sensor splitter can replace any temperature node in the string and allow for integration of a third party sensor that outputs data over SDI-12 or RS-485 Modbus RTU.

Other Compatible Sensors

Water Quality

- AML Oceanographic AML-1/3/6 Instruments
- ANB Sensors AQ/OC Series pH Sensors
- Chelsea Technologies TriLux Sensors
- Chelsea Technologies UniLux Sensors
- Chelsea Technologies UviLux Sensors
- Eureka Manta+ Water Quality Probes
- Eureka Trimeter Water Quality Probes
- In-Situ Aqua TROLL Water Quality Sensors
- In-Situ RDO Optical Dissolved Oxygen Sensors
- LDI ROW Non-Contact Oil Detectors
- LI-COR Underwater PAR Sensors
- Observator ANALITE NEP5000 Turbidity Sensors
- Pro-Oceanus Mini Dissolved Gas Probes
- Pro-Oceanus Solu-Blu Dissolved Gas Probes
- Proteus Multi-Parameter Water Quality Sensors
- Sea-Bird Scientific ECO Sensors
- Sea-Bird Scientific HydroCAT CTD Sensors
- Sea-Bird Scientific SUNA V2 UV Nitrate Sensor
- Seametrics Water Quality Loggers
- Sequoia LISST-ABS/AOBS Sediment Sensors
- TriOS NICO UV Nitrate Sensors
- TriOS OPUS UV Spectral Sensors
- Turner Designs Cyclops-7F/C-FLUOR Sensors
- Turner Designs C3/C6P Fluorometers
- YSI EXO Multi-Parameter Water Quality Sondes
- YSI ODO RTU Optical Dissolved Oxygen Sensors
- YSI ProSwap Loggers

... and more!

Hydrology

- Aanderaa Doppler Current Profiler Sensors
- Aanderaa ZPulse Doppler Current Sensors
- Airmar EchoRange SS510 Sonar Depth Sensors
- APG MNU Series Ultrasonic Level Sensors
- APG PT-500 Water Level Sensors
- Geolux Non-Contact Flow Sensors
- Geolux Non-Contact Level Sensors
- Geolux Non-Contact Surface Velocity Sensors
- Geolux Non-Contact Wave Sensors
- Nortek Aquadopp Current Meters
- Nortek Aquadopp Current Profilers
- Nortek Signature-Series Current Profilers
- OTT RLS Radar Water Level Sensors
- OTT SVR 100 Surface Velocity Radar Sensors
- Seametrics PT12 Water Level Sensors
- Seametrics PT2X Water Level Loggers
- SeaView Systems SVS-603HR Wave Sensors
- Solinst Water Level Temperature Sensors
- SonTek-IQ Acoustic Doppler Flow Meters
- SonTek-SL Acoustic Doppler Current Meters
- Teledyne/RDI ChannelMaster ADCPs
- Van Essen Diver Water Level Loggers
- VEGA VEGAPULS Radar Water Level Sensors

... and more!

Weather

- Airmar WX-Series Ultrasonic Weather Stations
- Gill MaxiMet Compact Weather Stations
- Kipp & Zonen SMP Series Smart Pyranometers
- LI-COR Terrestrial Light Sensors
- Lufft WS-Series Weather Sensors
- Sentek Drill & Drop Soil Moisture Probes
- Vaisala GMP-Series Carbon Dioxide Probes
- Vaisala HMP-Series Humidity Sensors
- Vaisala WXT-Series Weather Sensors
- YOUNG ResponseONE Weather Sensors
- YOUNG Serial Output Wind Monitors
- YOUNG Ultrasonic Anemometers
- YSI H-3401 Tipping Bucket Rain Gauges

... and more!



For more sensor information, visit www.nexsens.com

⚡ Power Options

For remote applications where line power is not available, solar power packs may be installed to continuously operate the data logger and attached sensors. Alternatively, an AC power adapter may be used to power the logger and sensors.

Solar Power Pack

The SP-Series Solar Power Packs feature a solar panel, regulator, and battery housed in a weather tight enclosure. Solar Power Packs are used to provide continuous power for X-Series systems. All components are weather tight and designed to withstand harsh conditions. A UW-6 plug provides an easy-to-use, waterproof, thread-in connection to compatible devices. A built-in mounting bracket allows the packs to be mounted to a 1.5" to 2" pipe. Options include 10, 15, and 32 watt packs.

Features:

- Designed for use with the NexSens X-Series data loggers
- All components are weather tight and designed to withstand harsh conditions
- Adjustable angle to 0, 30, 45 degrees



AC Power Adapter

The UW6-PW AC adapter is used to supply power to X-Series instruments through NexSens' standard UW6 underwater connector for continuous operation. The instrument connection end is waterproof and vented, allowing for a wide range of deployment options.

Features:

- Vented and waterproof UW-6 provides robust connection to instrument
- Specifically designed to work seamlessly with NexSens X-Series instruments
- 2A supply runs even high power draw systems

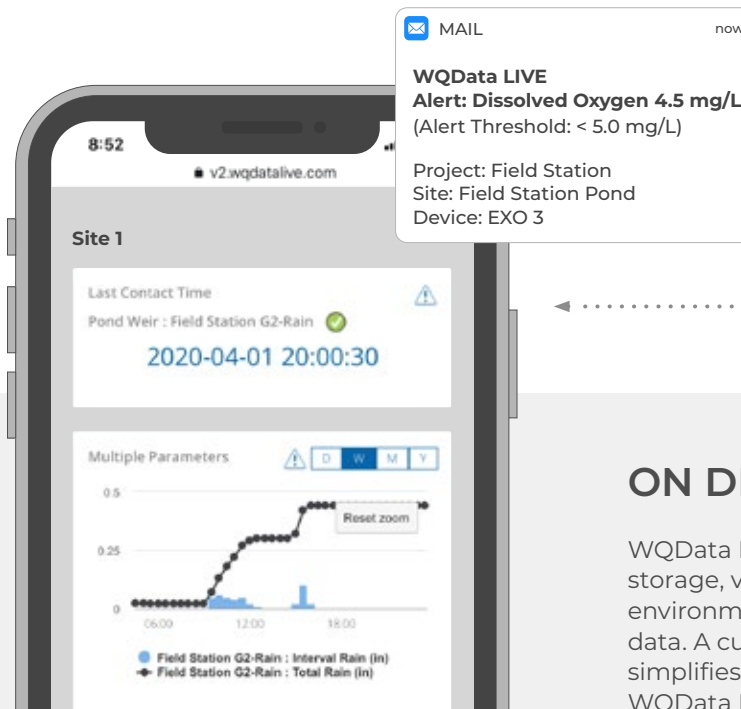


EASY-TO-CONNECT LOGGERS & SENSORS



PLUG-AND-PLAY DESIGN

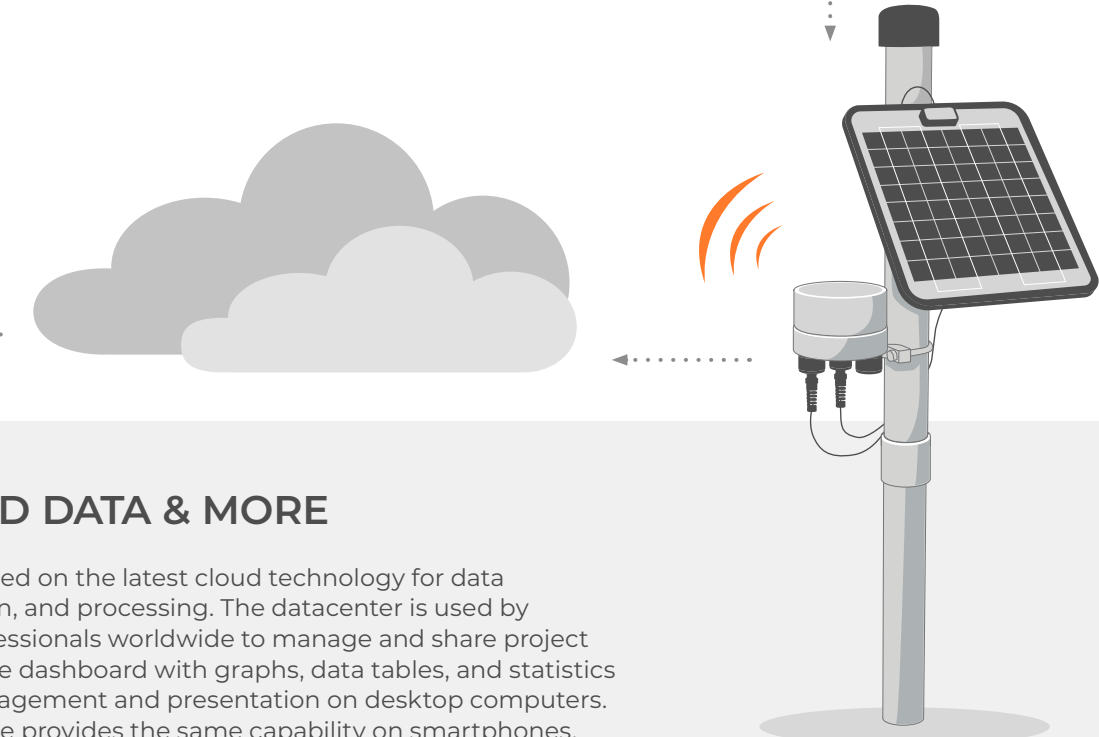
The NexSens NX-Series sensors and other popular sensors easily connect to and are auto-recognized by X-Series data loggers. When powered and scanned, the data logger begins streaming data to the cloud, where it is available to view or download at the WQData LIVE datacenter.



ON DEMAND DATA & MORE

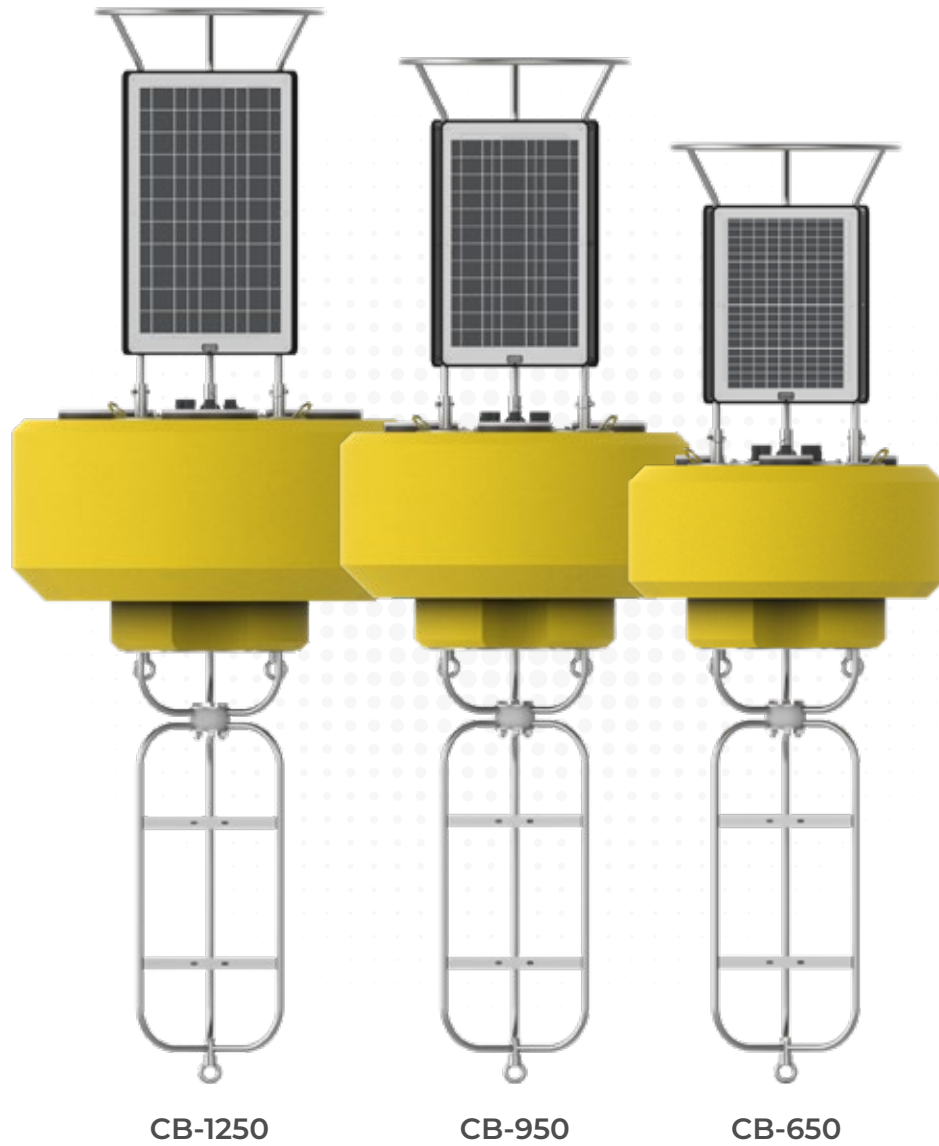
WQData LIVE is based on the latest cloud technology for data storage, visualization, and processing. The datacenter is used by environmental professionals worldwide to manage and share project data. A customizable dashboard with graphs, data tables, and statistics simplifies data management and presentation on desktop computers. WQData LIVE Mobile provides the same capability on smartphones.

For more information, visit www.nexsens.com



Large Data Buoys

Designed for large lakes and coastal waters, the CB-1250, CB-950, and CB-650 are easy to deploy and built for extreme environments. Sensors and data logging equipment are powered by optional high-capacity batteries. Three integral solar panels provide adequate charging independent of buoy orientation. Tower mounting accessories and water column ports aid in sensor deployment. A heavy polymer coating protects the closed-cell foam and provides adequate flotation. Structural strength is achieved with a through-hull stainless steel frame and bottom cage structure.



CB-1250

The CB-1250 offers increased flotation and solar charging for heavy or power-hungry sensors while still maintaining a relatively small footprint.

CB-950

The CB-950 offers sufficient power and sensor payload for demanding instruments including video cameras, ADCPs, and more.

CB-650

The CB-650 offers a compact platform with convenient tower mounting for met sensors, navigation lights, and radar reflectors.

Specifications	CB-1250	CB-950	CB-650
Hull Outer Diameter in (cm)	48 (121.9)	42 (106.7)	38 (96.5)
Hull Height in (cm)	28 (71.1)	26 (66.0)	22 (55.9)
Tower Height in (cm)	50 (127.0)	45 (114.3)	40 (101.6)
Data Well Inner Diameter in (cm)	10.3 (26.2)	10.3 (26.2)	10.3 (26.2)
Data Well Height in (cm)	27.5 (69.9)	25.5 (64.8)	21.5 (54.6)
Instrument Pipe Diameter in (cm)	8 (20.3)	6 (15.2)	4 (10.2)
Weight lbs (kg)	300 (136)	285 (129)	215 (98)
Buoyancy lbs (kg)	1250 (567)	950 (431)	650 (295)
Solar Power Watts	171	132	90
Mooring Attachments 3/4" eyenut	1 or 2 point	1 or 2 point	1 or 2 point

Key Features

Solar Panels

The solar panels are constructed of a plastic film surface with semi-flexible metal backing. The panels are mounted to the tower with stainless steel hardware.

Stainless Steel Lifting Eyes

Stainless steel topside lifting eyes accommodate straps and rigging hooks while bottom mooring eyes are provided for mooring and sensor line connection.

Sealed Data Well

A 10-inch diameter data well provides a watertight housing for batteries, data loggers, sensors, and other hardware.

Stainless Steel Tower

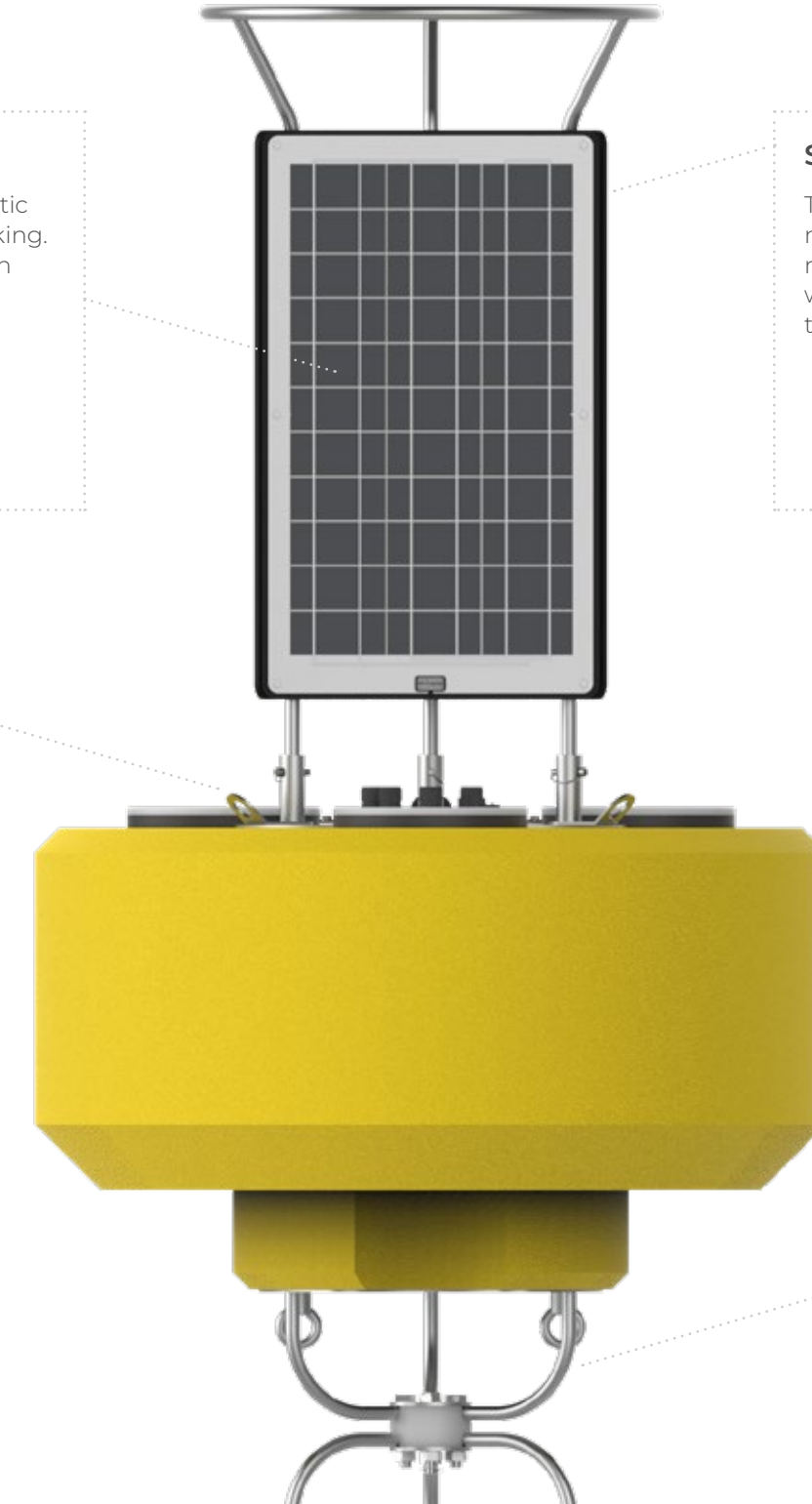
The stainless steel tower includes a top mounting plate for solar marine light and radar reflector. Mounts are also available for weather sensors, video cameras, and other topside instruments.

Inner Core - Outer Shell

An advanced polyurea coating protects an inner core of closed-cell polyethylene foam providing a puncture-proof water-tight platform with adequate flotation.

Stainless Steel Frame

The stainless steel frame supports both single-point and multi-point moorings and supports the addition of sacrificial zinc anodes, an instrument cage, and ballast weights for additional stability.



General-Purpose Data Buoys

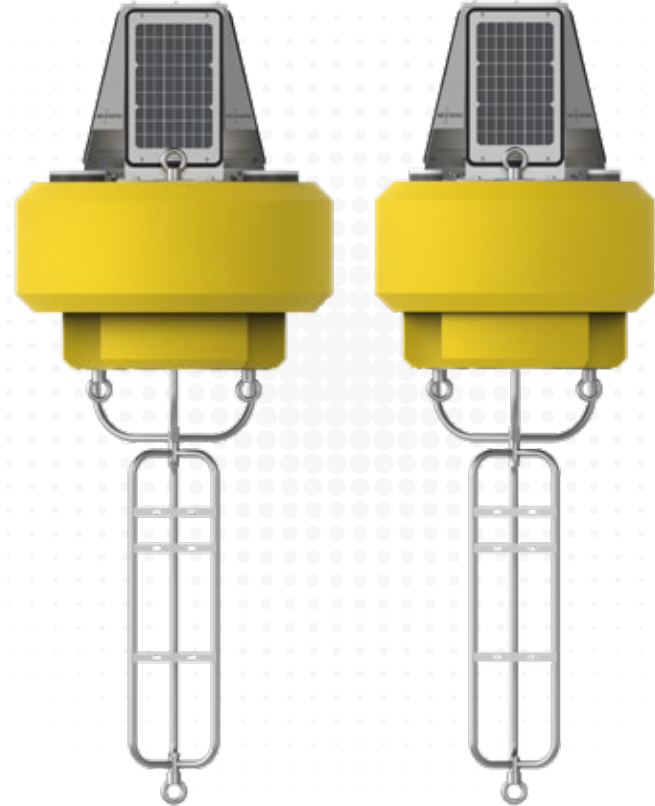
The CB-450 and CB-250 are designed for deployment in larger water bodies, striking a balance between their compact design and powerful capabilities. The versatile and lightweight design of the buoys allows both to be easily deployed from a boat. Three integrated solar panels provide adequate power and charging for sensor operation and data transmission. A data well provides watertight housing for batteries, data loggers, sensors, and other hardware that users wish to integrate with the buoys. The durable buoys are built to last with a heavy polymer coating protecting the closed-cell foam and providing adequate flotation with the strength of an indestructible stainless steel frame.

CB-450

Featuring 4-inch pass-through ports, the CB-450 allows for larger instruments (water quality sondes, etc.) to be deployed and retrieved without lifting the buoy out of the water.

CB-250

The CB-250 strikes a balance between compact and easy to deploy, yet buoyant and powerful enough to be deployed in larger water bodies.



CB-450

CB-250

Specifications	CB-250	CB-450
Hull Outer Diameter in (cm)	30.0 (76.2)	34.0 (86.4cm)
Hull Height in (cm)	20.0 (50.8)	20.0 (50.8)
Tower Height in (cm)	20.0 (50.80)	20.0 (50.80)
Data Well Inner Diameter in (cm)	10.3 (26.2)	10.3 (26.2)
Data Well Height in (cm)	19.5 (49.5)	19.5 (49.5)
Instrument Pipe Diameter in (cm)	2.0 (5.1)	4.0 (10.2)
Weight lbs (kg)	115 (52)	130 (59)
Buoyancy lbs (kg)	250 (114)	450 (204)
Solar Power Watts	3x 15-watts	3x 15-watts
Mooring Attachments 3/4" eyenut	1, 2, or 3 point	1, 2, or 3 point

Key Features

Versatile

Light enough to deploy from most smaller boats while still offering adequate power and charging for rigorous instrument sampling and data transmission.

Efficient Charging

Three integrated 15-watt solar panels are angled and evenly spaced around the buoy to capture sunlight from any direction and provide adequate battery charging.

Durable Design

Cross-linked polyethylene foam coated with a heavy polymer skin over a stainless steel frame makes the CB-250 and CB-450 durable against rough environmental conditions.

Connections

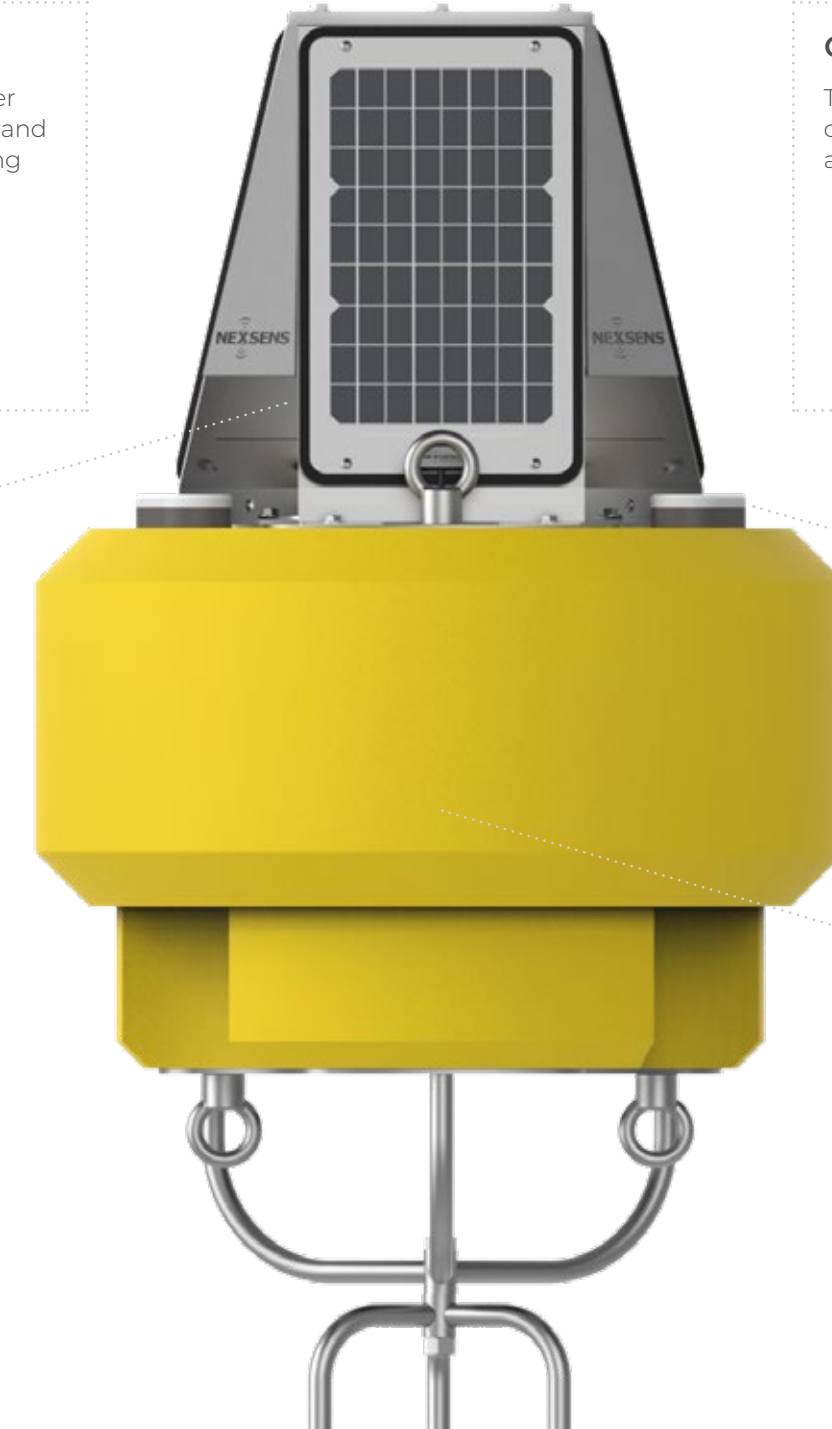
The data well lid provides pass-through connections for sensors, power, venting, and more.

Pass-Through Ports

Three 4-inch pass-through ports on the CB-450 and 2-inch pass-through ports on the 250 allow sensors to be mounted underwater while securely routing the cable.

Data Well

A 10-inch diameter by 19.5 tall data well provides watertight housing for batteries, data loggers, sensors, and other hardware.



Compact Data Buoy

The XB-200 is ideal for applications requiring portability and quick deployment, yet strong enough for rough water. The hull and solar tower 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.

NEW XB-200

The XB-200 data buoy represents the next generation of buoy hulls from NexSens Technology. It merges the best features of the CB-250 and CB-450 buoys into a compact polyethylene hull that can be deployed and serviced from small boats.

Specifications	XB-200
Hull Outer Diameter in (cm)	30 (76.2)
Hull Height in (cm)	22 (55.8)
Tower Height in (cm)	20 (50.8)
Battery Well Inner Diameter in (cm)	9.7 (23.6) above battery
Battery Well Height in (cm)	20.5 (52.1)
Instrument Pipe Diameter in (cm)	4 (10.2)
Weight lbs (kg)	100 (45.4)
Buoyancy lbs (kg)	200 (90.7)
Solar Power Watts	3x 15 watts
Mooring Attachments 5/8" eyenut	1 or 2 point

The XB-200 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 compact buoy is often deployed in lakes, rivers, coastal waters, harbors, estuaries, and other freshwater or marine environments.

Typical monitoring sensors including weather stations, wave sensors, thermistor strings, multi-parameter sondes, Doppler current profilers, and other monitoring instruments.

Key Features

Topside Electronics

When configured with NexSens data logging and telemetry equipment, all electronics are mounted just under the top plate with the antenna passing through for a clear view of the sky. Equipment can be swapped quickly and easily without the need to remove the tower or open the data well. Additionally, the top plate supports weather stations, a navigation beacon, and other instrumentation.

Solar Charged Battery

Three 15-watt solar panels mount to the tower and provide solar charging from any direction. A single 12VDC, 28 A-hr battery located in the bottom of the hull provides enough power for continuous operation of typical environmental monitoring systems.

Sensor Ports

Three 4" ports pass through the hull and are capped with sensor plates. The plates have a slot for cable passage and an underside eye for relieving sensor cable weight or attaching sensor mounting lines. Water quality sondes, small Doppler current meters, and sensor strings are deployed through these ports, and cables can pass through for cage mounted sensors.

Inner Core - Outer Shell

The outer shell is manufactured from UV stabilized, LLDPE plastic and the hull is filled with closed-cell polyurethane foam. This combination provides the flexibility and toughness needed for harsh marine environments, intense sunlight, and polluted waters.

Mooring Eyes

Two 5/8" stainless steel mooring eyes support either one- or two-point mooring. The mooring eyes provide quick connection to surface or subsurface flotation and mooring lines.

Stainless Steel Cage

The stainless steel cage bolts to the bottom of the XB-200 and provides convenient mounting for subsurface instrumentation. Sacrificial zinc anodes and ballast weights are easily attached and a bottom eye supports additional sensor line connections.



Micro Data Buoy

Designed for integration with the X3-SUB, the CB-75 data buoy is a compact, affordable, and easy-to-deploy platform for both water and atmospheric observations. An integrated power supply, wet-mate marine connectors, and optional wireless telemetry make real-time monitoring possible. The included instrument cage supports water quality sensors, multi-parameter sondes, ADCPs, and other subsurface instruments. The cross-linked polyethylene foam with a heavy polymer skin surrounding a stainless-steel frame allows the CB-75 to be deployed anywhere.

CB-75

The CB-75 data buoy is a compact, affordable, and easy to deploy platform for both water and atmospheric observations.

Specifications	CB-75
Hull Outer Diameter in (cm)	21 (53.34)
Hull Height in (cm)	13 (33.02)
Tower Height in (cm)	8.2 (20.83)
Data Well Inner Diameter in (cm)	5.5 (13.97)
Data Well Height in (cm)	13 (33.02)
Instrument Pipe Diameter in (cm)	1.5 (3.81)
Weight lbs (kg)	28 (12.70)
Buoyancy lbs (kg)	75 (34.00)
Solar Power Watts	3x 4-watts
Mooring Attachments 3/4" eyenut	1, 2, or 3 point

The CB-75 offers a small, cost-effective solution for buoy-monitoring applications. Pair the CB-75 with select sensors and sondes to monitor river, lake, and ocean waters.

CB-75-SVS Wave Buoy

Equipped with the SVS-603HRi wave sensor, the compact CB-75-SVS wave buoy offers the latest in real-time wave observations with flexible communications and optional expansion for additional sensors. The buoy's small size makes it easy to deploy in virtually any application at an affordable price.

Key Features

Compact

With a 21-inch (53.34 cm) hull diameter and less than 40 lb. weight, the CB-75 is ideally suited for tethered moorings.

Self-Powered

Three integrated 4-watt solar panels are evenly spaced around the buoy to capture sunlight from any direction and charge the internal battery.

Mooring Connections

Three eye nuts on the bottom frame provide mooring points for tethering and mooring applications. The stainless-steel instrument cage provides ballast weight and also includes a mooring eye.

Built to Last

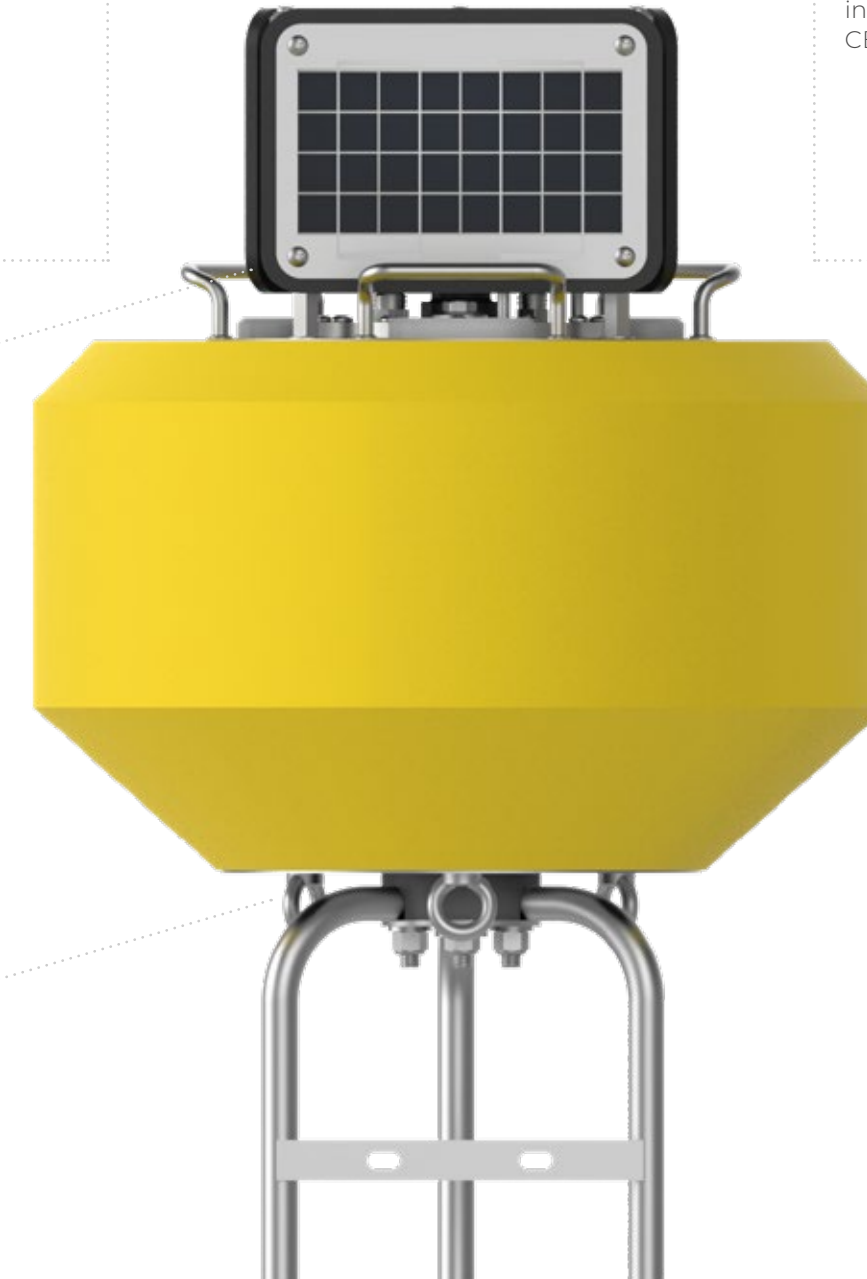
Constructed of cross-linked polyethylene foam with a heavy polymer skin and an indestructible stainless-steel frame, the CB-75 is designed for years of service.

Sensor Connections

Three sensor ports with wet-mate connectors on the X3-SUB allow for integration with GPS receivers, meteorological stations, water quality sondes and other sensor types on the buoy.

Top-to-Bottom Ports

Three 1.5-inch pass-through ports allow for sensors to be mounted underwater while securely routing the cable. Each port includes a slotted cap secured by hex bolts.

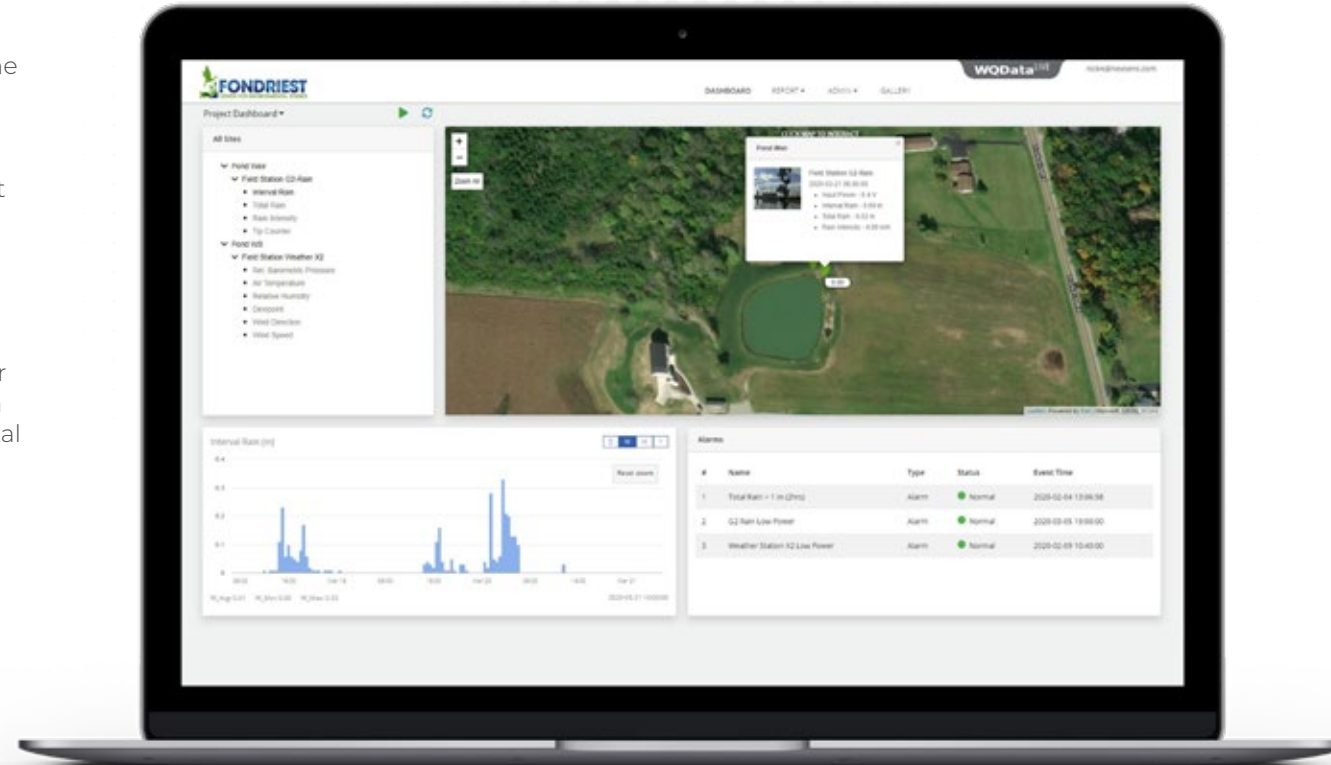
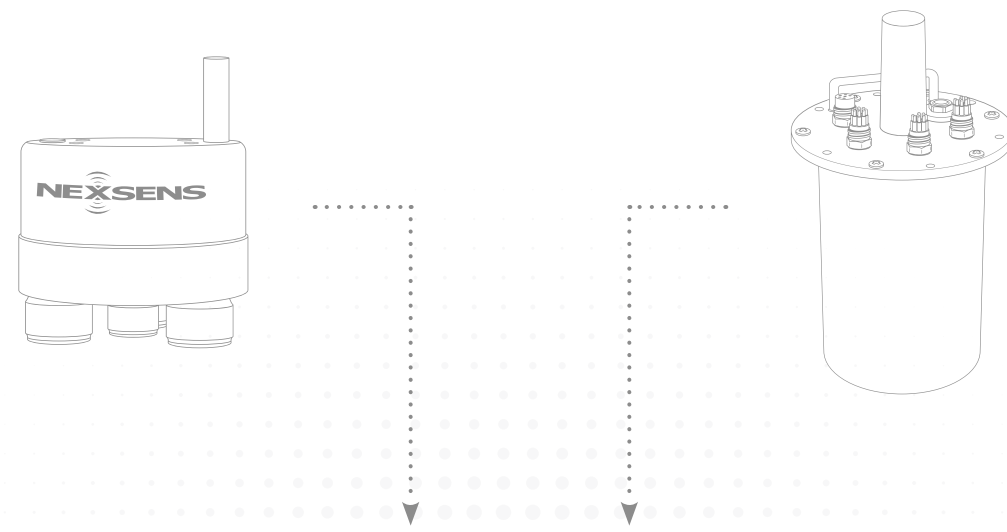


WQData LIVE Web Datacenter

WQData LIVE is a web-based project management service that allows users 24/7 instant access to data collected from remote telemetry systems. Users with NexSens X-Series and legacy G2 and V2 data logging platforms have the ability to configure and update systems remotely via Wi-Fi, cellular, or satellite telemetry. All projects are password-protected with multi-level access. Administrators have full access for remote communication and project modification, while collaborators are limited to viewing and exporting data.

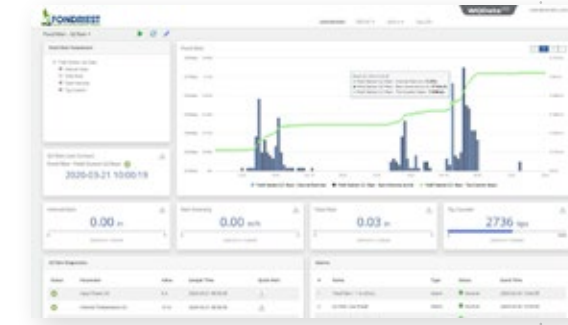
The online database offers the ability to view live readings, configure alerts to notify project personnel when data values exceed threshold limits, export data and more. The project dashboard includes an ESRI Leaflet map view showing all project sites on a map with zoom, scroll, and drag capability. The bottom of the dashboard includes a project overview, data disclaimer and project photo. For projects with multiple locations, each site within a project shows the data loggers connected along with a site photo in a convenient viewing pane.

Clicking on any site within a project displays the most recent data values alongside a graph with options to view a day, week, month, or year of data. Within each parameter, users can register to receive alerts via email based on a high or low threshold. A rich set of meta data and diagnostic data specific to each site is displayed at the bottom for troubleshooting sensor or data logger issues. With this rich set of tools, WQData LIVE simplifies the task of managing an environmental monitoring project.



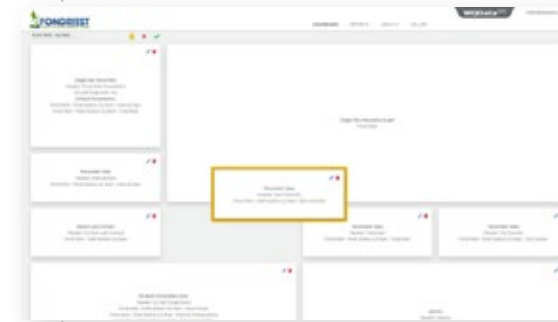
Automate Device-to-Cloud

Web-enabled data loggers automatically connect and stream data to WQData LIVE. Data is stored in the cloud and can be accessed from any PC or mobile device. Two-way communication allows users to quickly configure settings or troubleshoot communications from anywhere.



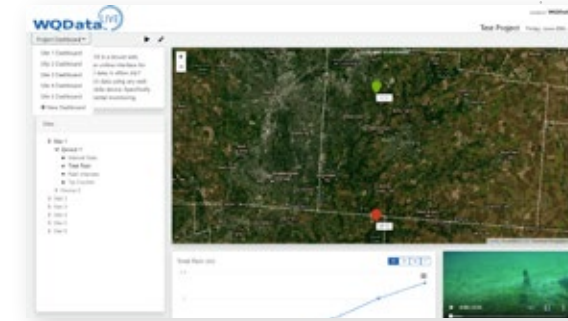
Customize and Share

Collect, store, and share environmental data with the industry's most advanced web datacenter, WQData LIVE. Set up one or multiple dashboards, or customize default dashboards to optimize data display. Cycle dashboards automatically or set up a single long-format scrollable display.



View Projects on Interactive Maps

ESRI Leaflet maps display markers that accurately locate project sites. When clicked, parameter data and photos are available directly on the maps via any device. Alarm conditions illuminate the site object and highlight 'alike' parameter readings across the entire project.



Key Features

- Secure Cloud
- Interactive Map
- Multi-level Users
- Remote Configuration
- Dashboards
- Graphs, Statistics, Tables
- Reports
- Quick Alerts
- API
- Data Export Tool
- Alarms
- Webcam Support
- Calculated Parameters
- Public Portal

Example Project

Scan the QR code to view real data from the Fondriest Field Station WQData LIVE test site.



For more information, visit www.nexsens.com/products/software/web-datacenter

WQData LIVE Mobile App

The new WQData LIVE Mobile app is the latest advancement in environmental monitoring. Setting up and configuring a remote monitoring system is easier than ever with WQData LIVE Mobile. The new app offers users easy access to live data. Additionally, users can control settings via Bluetooth, setup and track alarms, and manage monitoring projects and systems from anywhere. An intuitive dashboard displays data tables, graphs, and statistics. Increased flexibility provides a data viewing experience for any project.



Now Available on Mobile Devices

Access all projects and data from anywhere at any time with the new WQData LIVE Mobile app.

Bluetooth Capabilities

Directly communicate with NexSens X3 data loggers using Bluetooth wireless connectivity. There is no need to connect cables and computers for testing and configuring data loggers. Access data, settings, and more wirelessly with Bluetooth.

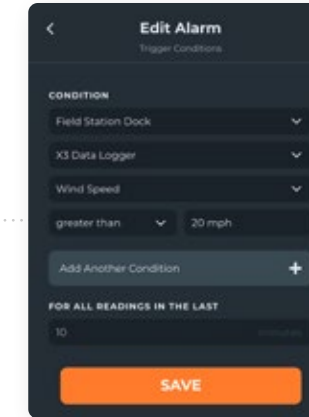
Push Notifications Directly to Device

With push notifications, users are alerted of data events and system errors when they happen, allowing for decisive corrective actions.

Key Features

Message Center

Easily collaborate with project members through the message board, as well as view and monitor system alarms and notifications.



Convenient Data Viewing

Swipe right past the home dashboard to view data from individual sites within a project. Click the home button to return to the project overview.



Share Data

Share data with colleagues and stakeholders via a Quick Share screenshot sent directly from the app or via Share Data File, in which



users can select the file type, format, timeframe, and specific parameters to share.

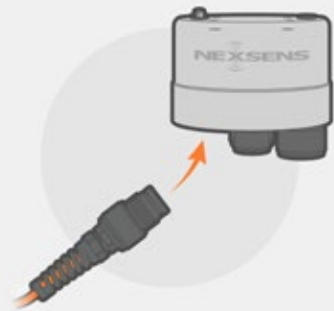
View Real-Time Data

An overview highlights the most recently transmitted data point with the transmission time. View important statistics and live data at a glance. Click on a parameter to view historical data displayed on a line graph, daily range, and other in-depth statistics.

Flexible Project Management

Dashboards can be easily customized to suit project needs. Easily change project and system settings, as well as edit and add alerts, devices, collaborators, admins, and more personalization options.

Getting Started



1. Connect Sensors



2. Power Logger



3. Scan QR Code



4. Complete Setup & View Data

Available for download on the App Store and Google Play Store.



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Better Data
It's never been easier

