

NexSens CB-40 Data Buoy Quick Start Guide

The NexSens CB-40 Data Buoy offers a compact and affordable platform for deploying water quality sondes and other instruments that integrate power and data logging.



Instrument Installation

- 1 Lay the buoy on its side. Using a 3/16" Allen wrench, remove the four 1/4-20 X 3/4" socket head cap bolts from the white top plate.



- 2 Carefully insert the sensor into the steel piping within the buoy.
 - a. Ensure that all external sensor ports have a watertight seal.



- 3 Re-install the top plate.

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Mooring Options

Single-Point Mooring



Used when sensors are attached to the instrument cage or housed in deployment pipes

Ballast Weight & Stability

To prevent overturning and ensure stability, additional ballast weight may be needed.

As configured at the factory, the center of gravity of the buoy is near the water's surface. It is recommended to use galvanized chain for ballast; however, the exact weight is dependent upon the conditions at the deployment location.



Warning: Always follow safe marine and boating practices. Heavy anchors, ballast weights and chain require careful maneuvering. Small boats with limited lifting equipment and boat clutter can be unsafe. Care must be taken during deployment to maintain a clean and safe environment.

For additional information, please read the CB-40 User Guide located on the NexSens Knowledge Base website.

<https://www.nexsens.com/knowledge-base-v2/data-buoys/cb-40/user-guide>