

# SBP500

## INSTRUCTIONS



Figure 1: SBP500 Submersible Battery Pack

### Overview

The SBP500 accommodates (16) D-Cell alkaline batteries for external power to underwater sensors and data loggers. Integration with the X2 family of data loggers (X2, X2-SDL, & X2-CB) allows for longer deployments.

### What's Included

- (1) SBP500 Submersible Battery Pack
- (1) 8-pin plug to 6-pin plug cable assembly, 1m

### Battery Installation

- 1 Remove the battery lid using the included hex driver for leverage.



Figure 2: Remove the battery lid.

- 2 Insert (16) D-Cell batteries into the battery chambers according to the polarity labels located inside each battery tube.
  - a. NexSens recommends using Duracell Procell D Alkaline Batteries.
  - b. (4) batteries per tube.
  - c. Polarity for all (4) batteries should be in the same orientation.



Figure 3: Install the (16) D-Cell batteries into the battery tubes.

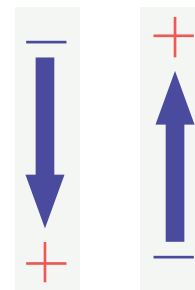


Figure 4: Polarity labels located inside the battery tubes.

## Data Logger Connection

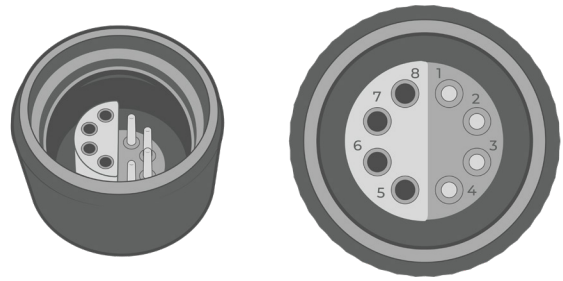
- ① Connect the cable assembly between the SBP500 and data logger.
  - a. Plug the UW8 end of the cable assembly into the top port on the SBP500.
  - b. Plug the UW6 end of the cable assembly to the 6-pin power port on the data logger.



**Figure 5:** 8-pin to 6-pin plug cable assembly connected between X2-SDL data logger and SBP500.

## Check Battery Voltage

- ① Using a voltmeter, place the positive lead on pin #4 and the negative lead on pin #7 of the top 8-pin receptacle on the SBP500.
  - a. Follow the 8-pin receptacle pinout below.



**Figure 6:** Top 8-pin receptacle port pinout on the SBP500.