

Vertical Profiling with a Cable Reel

CONDUCT A MANUAL PROFILE OF A WATER COLUMN USING ANY EXO SONDE AND HANDHELD

Overview

YSI Integrated Systems & Services offers the ability to integrate a YSI field cable into a manual, hand crank cable reel assembly. This cable reel gives a customer the ability to conduct a manual profile of a water column using a **YSI EXO sonde** and a **YSI handheld device**. The cable reel consists of a slip ring containing 6 conductors specifically designed for the YSI EXO sonde. It's designed to fit up to 500 feet (152 meters) in cable length.

A standard YSI field cable for the EXO sonde can be purchased at the same time as the cable reel. If the customer already has a YSI field cable that they would like to add onto a cable reel, they can send it in at the time of purchasing the reel and it can be installed.

The standard procedure is that a 10 foot section of cable will be cut on the handheld end of the field cable to be integrated into the slip ring on the reel. The customer may specify a different length that they would like cut at the time of purchase. The remaining length of cable will be installed onto the cable reel drum and integrated into the opposite side of the slip ring so that it becomes mated with the remaining cable to allow communication between the handheld unit and the sonde.



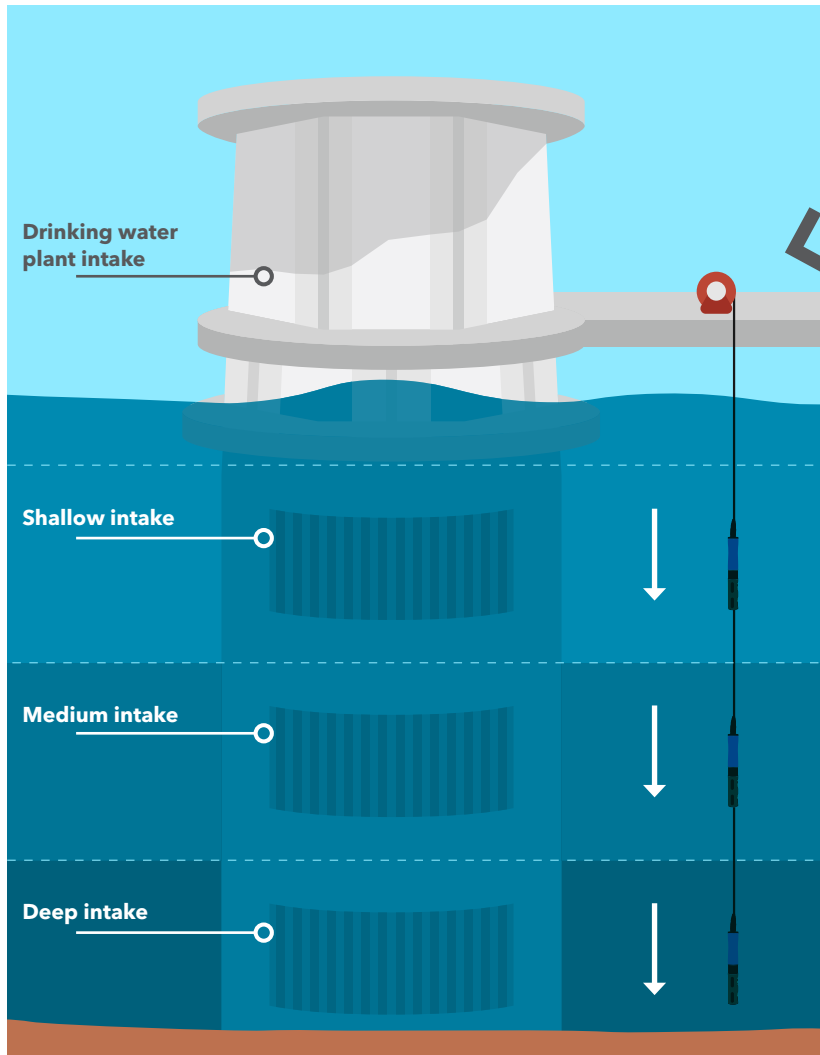
PRIMARY APPLICATIONS & FEATURES:

- Boat deployments
- Off shore pier/platform deployments
- Lock pin design to prevent free spooling
- Rugged dual triangular support with shaft bearing

Part #	Description	Dimensions
202480	Cable Reel, 6-in Reel, Slip Ring, EXO Only - 61 meters max cable length - Hand Cranked	Width (end of crank to end of piston): 16.1 in (40.9cm) Height (floor to top of reel): 20.25 in (51.4 cm) Depth (back to front): 17.75 (45.1 cm) Weight (no cable): 47 lbs
202481	Cable Reel, 12-in Reel, Slip Ring, EXO Only - 100 meters max cable length - Hand Cranked	Width (end of crank to end of piston): 22.1 in (56.1 cm) Height (floor to top of reel): 20.25 in (51.4 cm) Depth (back to front): 17.75 (45.1 cm) Weight (no cable): 51 lbs
EndSpec	Cable Reel, 18-in Reel, Slip Ring, EXO Only, Motorized - 250 meters mx cable length - 12 vdc motor	Width (end of crank to end of piston): 28 in (20.3 cm) Height (floor to top of reel): 20.25 in (51.4 cm) Depth (back to front): 18.5 (47 cm) Weight (no cable): 65 lbs



Profiling Example



YSI EXO Configuration

The cable reel assemblies for the EXO sondes are designed with a 6 conductor slip ring. YSI Integrated Systems offers two cable reel designs for the EXO sondes, a 6 inch reel and a 12 inch reel. The 6 inch reel should be sold for applications that are going to use up to 200 feet (61 meters) of cable. The 12 inch reel should be sold specifically for applications that will require up to 492 feet (150 meters) of cable.

Through the slip ring on the reel, the customer will have the ability to plug in the EXO handheld unit to communicate to any EXO sonde connected on the opposite end. It's recommended that the sonde be equipped with a depth transducer.

YSI, a Xylem brand
1725 Brannum Lane
Yellow Springs, OH 45387

+1.937.767.7241
info@ysi.com
YSI.com



[YSI.com/Systems](https://ysi.com/Systems)