

Seafloor™ datasheet

QuickCast™

SVP/CTD Deployment and Recovery System for USVs

About

The QuickCast system was designed to allow for the manual deployment of a sound velocity profiler using the EchoBoat's remote control. The winch can be mounted onto the front of the EchoBoat USV and uses a pulley wheel to deploy the SVP. The counter, which is easily reset to accommodate changing conditions, counts in increments of one tenth of a foot (3cm) and can be viewed on a PC via an integrated camera.

The winch comes spooled with enough rope to reach 30 m and has been tested to give a margin of error of only 0.5% (15 cm) at max depth. While it can let out up to 1.5 m/s of line, it is recommended that payout speed is kept at around 30 cm/s to ensure a vertical, controlled cast and prevent tangling of the line. Once the SVP resurfaces, data can be communicated to your PC or phone via bluetooth. The winch is compatible with most sound velocity profilers. For best results and proven compatibility, Seafloor recommends the Valeport SWiFT SVP.

Specifications

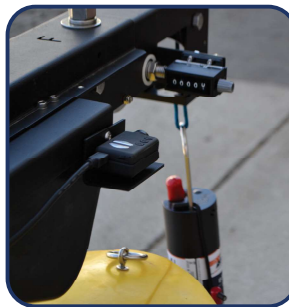
Max Length/ Depth : 30 m
Max Speed: Up to 1.5 m/s
Recommended Speed: 30 cm/s
Counter Accuracy: 3 cm/s
Margin of Error: +/- 0.5%
Max Payload: 10 kg

Sensors

- ▶ Sound Velocity Profilers
- ▶ CTD Profilers
- ▶ Multi- Parameter Systems
- ▶ Water Sampling Sensors



Valeport SWiFT SVP mounted on QuickCast System



Counter can be easily reset to zero



Winch comes spooled with 30m of rope



QuickCast Winch with Valeport SWiFT SVP mounted on EchoBoat USV