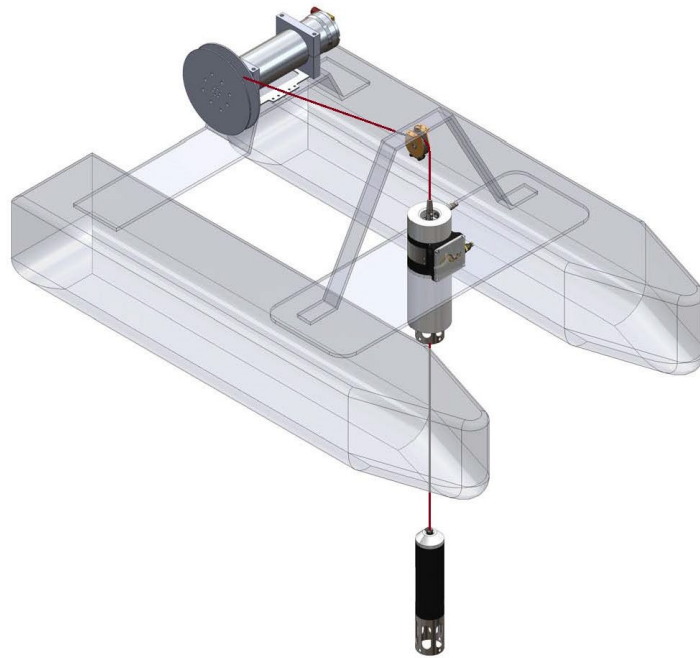


WIRELESS CHARGING SVP WINCH SOLUTION



Automatic SVP & CTD Casting, Charging & Data Transfer for USV

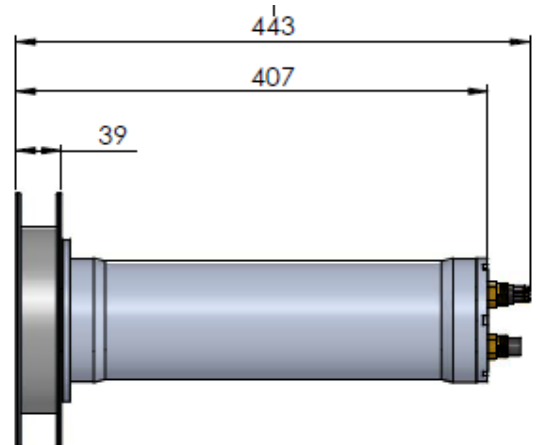
An extremely compact and programmable profiling winch for Autonomous Surface Vehicles, complete with a wireless charging and WiFi data transfer system for an AML-3 LGR instrument.

The winch employs direct drive and is equipped with a transparent interface for motor control and feedback.

The system can provide notification of successful docking and zeroing of the winch position in addition to payout readings, and is fitted with a level wind and an automatic internal brake.

The AML-3 series is a highly configurable family of multiparameter sondes designed for a wide range of data collection applications, and can be configured with a range of sensor options including:

- Sound Velocity & Pressure (SVP)
- Sound Velocity, Turbidity & Pressure (SVP Tu)
- Sound Velocity, Conductivity, Temperature & Depth (CTD SV)
- Conductivity, Temperature & Depth (CTD)



Winch Specifications

Materials & Finishing	High strength 7075 aluminium (hard anodised), Delrin
Motor Current Requirement	24V DC @ 10A
Holding Capacity	5kg
Line Diameter	2mm
Max. Line Pull	5kg at first layer
Line Speed	~0.5m/s
Drum Capacity	100m @ 2mm
Bolt Pattern	User configurable
Dimensions	443 x 218 x 218(h)mm
Weight	8kg

Instrument Specifications

Max. depth	500m
Weight in air	1.4kg
Weight in water	0.7kg
Pressure Housing Material	Acetal
Sensor Ports	3

Benefits

- Network mode-compatible Integrated WiFi data transfer system
- Rechargeable Internal Battery
- Wireless Instrument Charging
- Risk-Free water column profiling in hazardous areas



FOR FURTHER INFORMATION PLEASE CONTACT:

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