

SeaKing Topside Interface

Multiple Sonar Interface Options



Applications

- Stand alone survey operations
- Battery & low powered ROVs
- Site survey operations

The SeaKing Topside Interface has removed the need for separate power supplies and communication interfaces when using SeaKing sensors configured for RS485 comms. The 110-240 VAC or 12-36 VDC input on the SeaKing Topside Interface results in a 72V DC output that allows for voltage drop over longer cables and, thanks to the wide voltage range of the latest Tritech SeaKing sensors, there is no concern of applying excessive power to your sensor.

Benefits

- Simplified setup and operation
- Bench test equipment
- Power sensors over extended cable lengths

Features

- AC or DC input
- 72V DC output
- RS485 to USB communication conversion
- Robust IP67 rated case

The RS485 signal that communicates with the sensor is converted within this unit to a USB signal that can be connected directly to your computer. This simplified, all in one, interface is supplied as part of the Hammerhead Mechanical Scanning Sonar, replacing the original topside interface which had a limited cable length capability due to the lower voltage output.

Thanks to the IP67 rating of the SeaKing Topside Interface you have the assurance that this integrated power and communication solution can be used safely and reliably in environments where traditional solutions offer little or no protection.

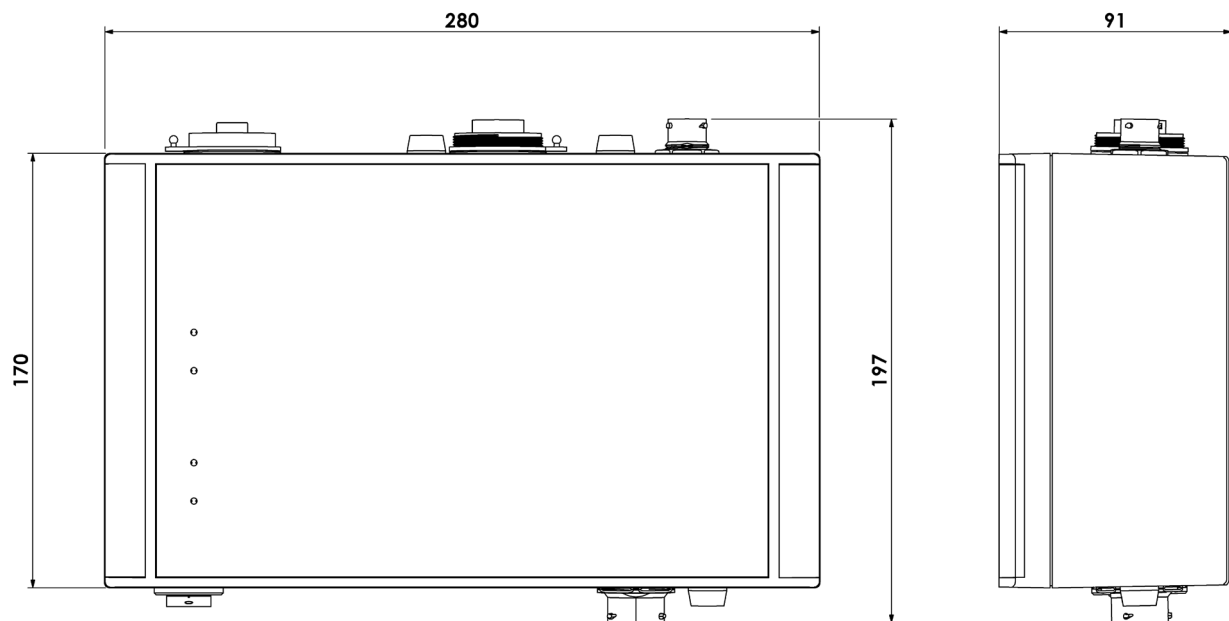
While intended for the SeaKing sensors, the SeaKing Topside Interface can be used with any sensor that uses RS485 comms and operates within the power rating of this unit. Tritech's SeaKing sensors are compatible with Tritech's software package Seanet Pro and Genesis, which improves user interaction and allows control of a number of Tritech sensors from within one software package.

Key Specification	
IP Rating	IP67 (Sealed against dust and moisture ingress)
Power requirement	100-240 VAC (50-60 Hz) or 12-36 VDC
Output voltage	72V DC
Materials	Powderkote cast aluminium
Weight	2.74kg / 6.05lbs

Electrical and communications	
Power requirement	100-240 VAC (50-60 Hz) or 12-36 VDC
Output voltage	72V DC
Output current capability	1.67A (when on DC supply), 1.39A (when on AC supply)
Power consumption with sensor attached	205W max
Communications with sensor	RS485
Communications with computer	USB 2.0

Physical specification	
Weight	2.74kg / 6.05lbs
Materials	Powderkote cast aluminium
IP rating	IP67 (Sealed against dust and moisture ingress)
Operating temperature	5°C to 40°C / 41°F to 104°F
Storage temperature	-20° to 50°C / 4°F to 122°F

Specification subject to change in line with Trittech's policy of continual product development



Not to scale. Measurements in mm.