

SeaKing Towfish

Side Scan Sonar



The SeaKing Towfish Sonar System is an extremely compact and cost effective, high definition sidescan sonar system. The sonar is designed to be easily deployed by hand and operated by a single person or in small boats making it ideal for inshore and coastal applications. Additionally the sonar has a weak link and safety recovery line, so if it hits an obstruction the weak link will break but the sonar will not be lost.

Fitted with durable polycarbonate stabiliser fins the sonar has excellent stability under all towing conditions. In the event of ground contact the fins will break away but are retained for recovery by a shock cord.

As part of the SeaKing range the Towfish can be connected to a Surface Control Unit (SCU) or through a SeaHub. Using Trittech software it is also possible to incorporate Global Positioning System (GPS) data to allow an accurate fix on the sonar records. The sonar data can be viewed live, stored for later usage or exported to CSV, XTF, TIFF, GEOTIFF and KMZ formats.

Compact, lightweight, easy to deploy and easy to recover

The SeaKing Towfish is designed for a wide range of seabed surveys and inspection duties. The 325kHz frequency has a maximum operational range of 200m on each side. The sonar combines the latest digital sonar electronics with industry leading transducer design and digital CHIRP signal processing techniques to dramatically improve range resolution and generate sonar images of unprecedented clarity.

Benefits

- Cost effective
- Easy to deploy and recover
- Low power and high data rates
- Compatible with SeaKing range

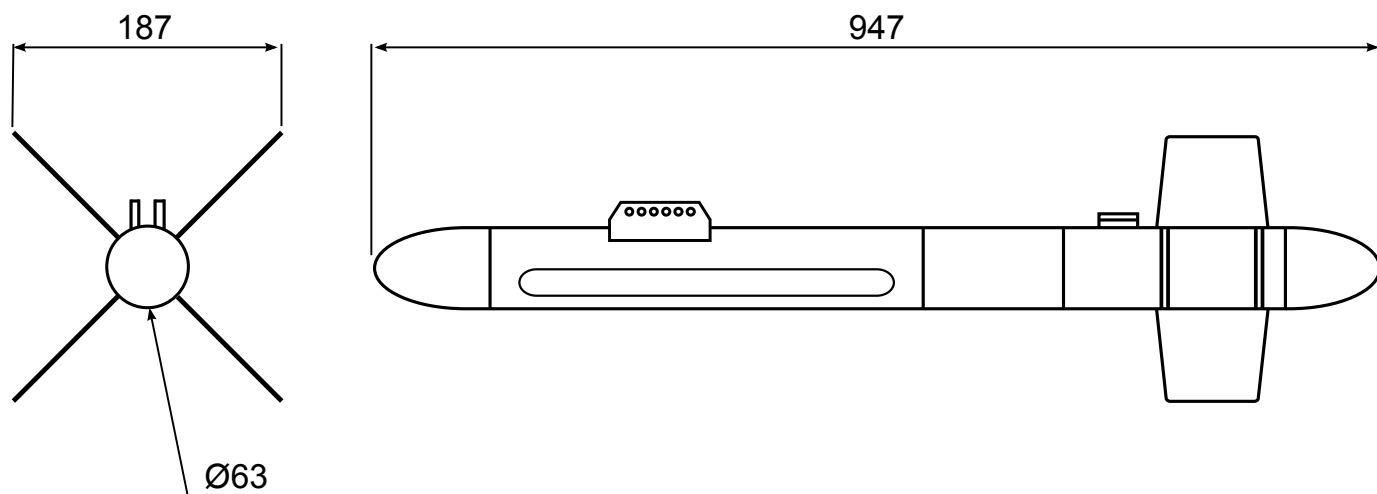
Features

- High and low frequency options
- High definition
- 200m range on either side
- Export to XTF and CSV formats
- ARCNET, RS485 or RS232

Applications

- Coastal surveys
- Military mine counter measures
- Shipwreck location
- Pipeline and route surveys
- River, harbour and canal surveys

Specification



Not to scale, dimensions in mm.

Acoustic	Low Frequency	High Frequency
Operation frequency	325kHz	675kHz
Beamwidth	30° vertical, 1.7° horizontal	30° vertical, 1° horizontal
Pulse length	400µs	200µs
Range	200m	100m

Electrical and Communication	
Power	24V DC at 12VA
Communication	ARCNET, RS485 (RS232 optional)
Cable	Standard 6.7mm diameter Kevlar reinforced cable. Supplied in lengths of 100 and 150 metres

Software	
Software	Tritech Seanet Pro ChesaPeake 'SonarWiz' real-time interface Low level direct access and control
Data log format	Tritech V4Log as standard Export to XTF, TIFF, GeoTIFF and Google Earth KMZ via converter

Electrical and Communication	
Weight in air	7kg
Weight in water	4.1kg
Depth rating	40m
Materials	Aluminium body tube and stainless steel nose cone
Temperature range	Operating: -10 to 35°C, Storage: -20 to 50°C

NOTE: The SeaKing Towfish is supplied as either a High Frequency or Low Frequency sonar and is not switchable.

Specifications subject to change according to a policy of continual development.

Document: 0374-SOM-00009, Issue: 02