

# Towfish SK150

## SeaKing Side scan Sonar

### Deeper tow side scan sonar system

As part of the Trittech SeaKing range of devices the SK150 is easy to integrate with other SeaKing sensors to provide a complete survey package. Additionally the SK150 can be connected to a Surface Control Unit (SCU) or SeaHub where data from a GPS device can be combined with the sonar records to allow accurate fixing of features on the sea floor. The sonar data can be viewed live or recorded for later viewing or export to a variety of formats such as XTF, TIFF, GeoTIFF and Google Earth kMZ.



The SeaKing Towfish SK150 has been specifically designed to fly at depths of up to 120m. This means the SK150 can be used for high resolution survey at depths lighter systems cannot reach.

Combining the very latest in digital sonar technology with industry leading transducer design and digital CHIRP signal processing techniques dramatically improves range resolution and generates sonar images of unprecedented clarity. The advanced transducer assembly provides superior image quality and long range.

With a simple, modular, design the SK150 provides increased reliability and facilitates in-field repairs should any damage occur during operation. All the electronic equipment is located in a single pressure housing isolated from the rest of the towfish. The stabilising fins can be easily replaced and a simple shear and recover mechanism is provided in the event of the SK150 becoming snagged.

The SK150 is easy to deploy and recover and is fully compatible with all Kilttec and Easyreeling electric winches.

#### Benefits

- Export to Google Earth kMZ
- Export to XTF, TIFF and GeoTIFF
- Incorporate GPS data
- Compatible with SeaKing range
- Compatible with electric winches
- Cost effective
- Easy to deploy and recover

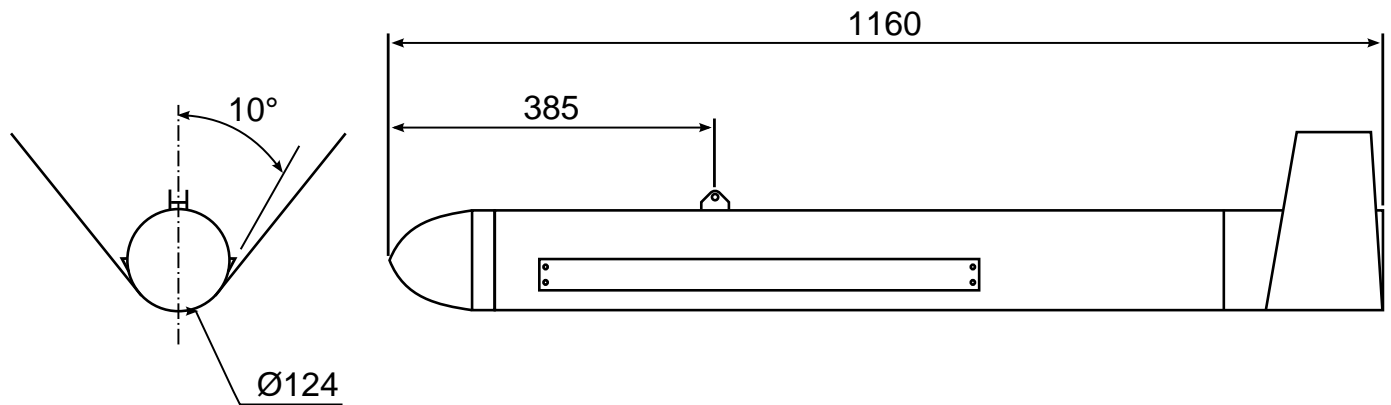
#### Features

- Deploy to 120m depth
- Up to 350m range
- Low power usage
- High data rate
- Composite transducer

#### 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	
Operating frequency	150kHz
Beamwidth	60° vertical, 1.4° horizontal
Pulse length	400µs
Maximum range	350m
Minimum range	0.4m
Range resolution	5 - 300mm
Bandwidth	40kHz

Electrical and Communications	
Power requirement	36 to 72V DC at 12W
Connector	Tritech standard 6-pin waterblock
Cable	Wire armoured

Software	
Software	Tritech Seanet Pro or low level direct access and control
Data log format	Tritech V4Log as standard Export to XTF, TIFF, GeoTIFF and Google Earth KMZ via converter

Physical	
Weight in air	25.5kg
Weight in water	15.5kg
Depth rating	120m
Materials	Polyester powder coated aluminium
Operating temperature	-10 to 35°C
Storage temperature	-20 to 50°C
Maximum towing speed	5 knots

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

Document: 0374-SOM-00010, Issue: 04

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