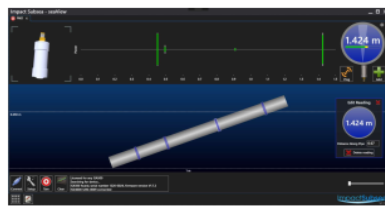
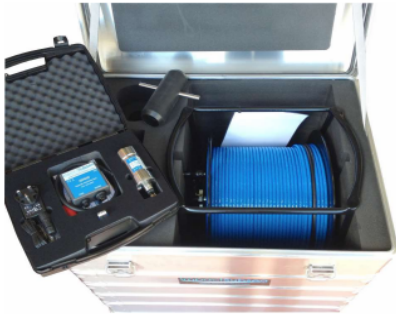
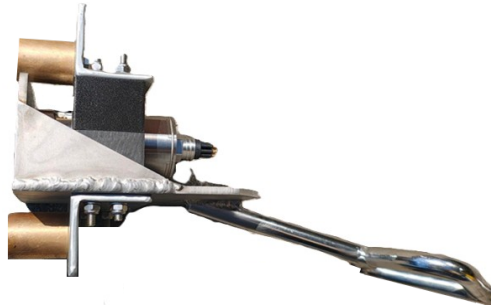


ISFMD - Flooded Member Detection System



Diver Setup



Bracket with Magnets for ROV

Impact Subsea is proud to present the ground-breaking ISFMD: the most advanced and reliable acoustic Flooded Member Detection system available today.

Suitable for Diver or ROV use, the ISFMD utilises a broadband composite transducer probe together with an advanced digital acoustic engine to provide the highest level of accuracy and reliability in readings.

Through the use of advanced acoustics, the ISFMD system removes the logistical, health and safety issues commonly associated with gamma ray based Flooded Member Detection systems.

An optional ISD4000 Depth Sensor can be added to the system to automatically record depth of each check point.

All readings are shown visually in the seaView software package. A final report of all readings taken is automatically generated – ensuring all data is accurately recorded.

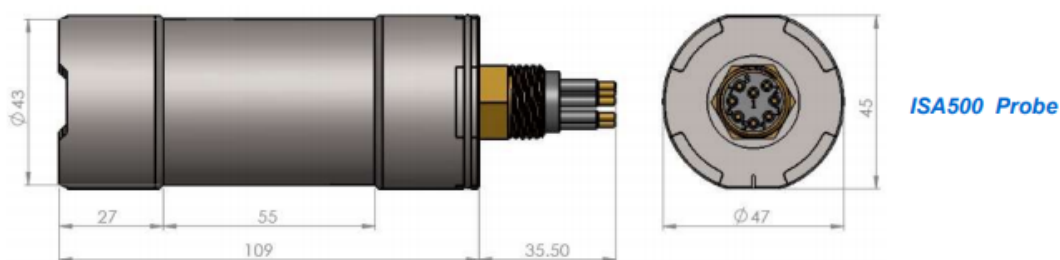
Key Features

- SeaView Software
- Titanium Probe
- Integrated AHRS
- Multi-Echo Output
- Depth
- Visualise all readings & generate a survey report
- Highly robust and long lasting sensor
- Understand exact orientation of probe at time of contact reading
- Visualise return if flooded member is detected
- Using the ISD4000, log the depth & temperature at point of reading

System Components

ISA500 Probe
seaView FMD App
ISD4000 Depth Sensor*
100 or 200m Cable*
Topside Power Supply*
Probe Holder*

*Optional



Specifications

Acoustic

Frequency	500kHz
Range	0.1 to 30m (Maximum range dependant on seabed member type)
Resolution	1 mm
Beam angle	6° conical in water
Signalling	Monotonic
Pulse length	Automatic

Communications & Power

Digital	RS232 & RS485
Protocol	300 to 115,200 baud
Analogue	0 to 5V DC, 0 to 10V DC or 4-20mA
Data	Continuous or on demand
Data rate	Up to 10Hz

Input voltage	9 to 36V DC
Power (No Altitude)	25mA @ 24V DC
Power (With Altitude)*	51mA @ 24V DC

Heading

Accuracy	$\pm 1^\circ$
Resolution	0.1°

Attitude

Pitch	$\pm 90^\circ$
Roll	$\pm 180^\circ$
Accuracy	0.2°
Resolution	0.1°

Probe Physical

Weight (air/fresh water)	0.5/0.325kg
Depth rating	6000m (Titanium)
Temperature	-10 to 40° operating -20 to 50° storage
Connector	Subconn MCBH8M-SS other options available

Specifications subject to change in line with product enhancements.