

ImpactSubsea

Innovative Underwater Products

ISFMD – Flooded Member Detection System



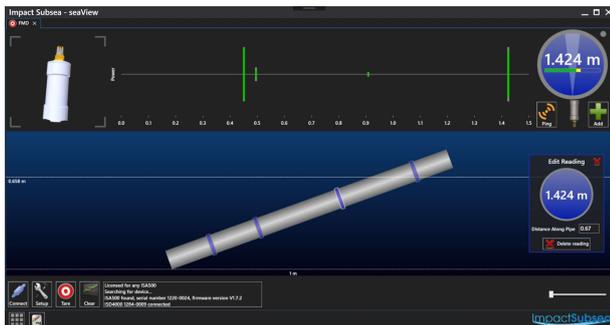
Impact Subsea is proud to present the ground breaking **ISFMD**: the most advanced and reliable acoustic **Flooded Member Detection** system available today.

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.



Features

seaView Software

Titanium Probe

Integrated AHRS

Multi-Echo Output

Depth

Benefits

Visualise all readings & generate a survey report

Highly robust and long lasting sensor probe

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 *

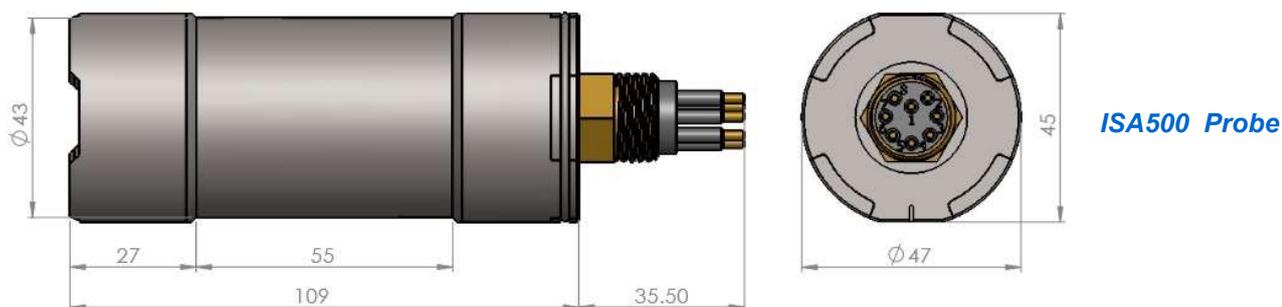
* Optional

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Acoustic	
Frequency	500kHz
Range	0.1 to 30m (Maximum range dependant on member type)
Resolution	1mm
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	± 1°
Resolution	0.1°
Attitude	
Pitch	± 90°
Roll	± 180°
Accuracy	0.2°
Resolution	0.1°
Probe Physical	
Weight (Air / Fresh Water)	0.5/0.325kg
Depth Rating	6,000m (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.

Rev 1.3

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