

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.

Specifications

Product	ISFMD Flooded Member Detection System
Country of origin	UK
Manufacturer	Impact Subsea
Material	Titanium

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.

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	12 - 32V
Protocol	13W maximum
Analogue	Glenair G55 Titanium Aluminium MacArtney DBH8M
Data	Ethernet 100BASE-T (100Mbit/s)
Data rate	12 Mbit/s maximum
Input voltage	9 to 36V DC
Power (No Altitude) (With Altitude)	25mA @ 24V DC

Mechanical

Heading accuracy	± 1°
Resolution	0.1°
Pitch	± 90°
Roll	± 180°
Attitude accuracy	0.2°
Resolution	0.1°
Weight air/water	0.5/0.325kg
Depth rating	6000m
Temperature	-10 to 40° operating -20 to 50° storage
Connector	Subconn MCBH8M-SS other options available