

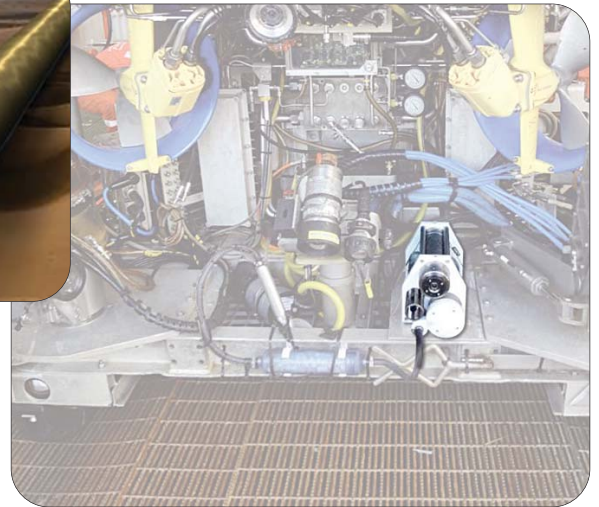


MELDS

Mobile Early Leak Detection System

For the early detection of subsea oil and gas leakages

MELDS comprises a subsea methane sniffer (dissolved methane and combustible gases) complete with flowhead, a PAH fluorometer, CTD, pump and T-handle with suction tube rated to 3000m. MELDS offers a mobile leak detection system for finding oil and gas leakages in pipelines and other oil and gas industry structures. MELDS has been designed to be easy to integrate and easy to use with an intelligent sensor suite in order to provide precise results in a timely and cost-effective fashion. MELDS can also be modified to provide an environmental monitoring suite for pre-site surveys, and for general monitoring during inspection/maintenance operations.



PRODUCT FEATURES

- Detect oil and gas pipeline leaks with a completely integrated system designed for ROV and AUV integration
- Optional flow-through version with submersible pump for manipulator directed measurements
- Optional wide range of sensors to meet customer requirements
- Software with export option for integration into existing data acquisition systems





MELDS

Mobile Early Leak Detection System

TECHNICAL SPECIFICATIONS

Operational Depth	3000m (max)	
Operating Temperature	+4°C to +15°C	
Measuring Range	CH4 PAH Temperature Conductivity Pressure	0,1 – 50 µmol/L ±0.3 µmol/L 0 – 500 µg/L -4°C to +40 °C (±0.1 °C) 0 – 60 mS/cm ±0.001 mS/cm 0 – 4000 dbar ±1 dbar
Reaction Time	<10 seconds	
Size	Standard configuration	520mm x 170mm x 200mm
Weight	12.3kg in air; 9.2kg in sea water	
Housing	Titanium Grade 2	
Pump	Subsea pump included	
Power Supply	12 / 24 Vdc @ 18W (max 35W on start-up)	
Connectors	SUBCONN® MCBH8-M-TI 8-pin; SUBCONN® MCBH5-F-TI 5-pin; others on request	
Digital Output	EIA-232; Data format ASCII NMEA 0183	
Data Output	19200, 8 data bits, no parity, 1 stop bit. No flow control	
Software	Graphical display and interface to ROV operator display for easy location of leaks; export option for integration into user's navigation software package; system supports standard oceanographic sensors. Automated detection of leaks through graphical display and simplified status flags - raw data can be displayed as graphs for further analysis and reporting.	
Integration	Available to fully integrate with a broad range of sensors: CH4, PAH and CO2; CTDs, fluorometer, dissolved oxygen, pH, Redox and more.	
Warranty	12 months international warranty including parts and labour.	

COMPANY WITH
MANAGEMENT SYSTEMS
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =

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