

RELIABLE ULTRASONIC MEASUREMENT

CYGNUS FMD SYSTEM (DIVER) ULTRASONIC FLOODED MEMBER DETECTOR



With several decades experience in designing ultrasonic equipment for the offshore and underwater environment, Cygnus fully understands the requirements of the subsea inspection industry. This entirely new Flooded Member Detector (FMD) combines intelligent, advanced software and electronics with a truly simple to use interface.

IDEAL FOR







CYGNUS



OFFSHORE PLATFORMS

CYGNUS-INSTRUMENTS.COM

CYGNUS FMD SYSTEM



CYGNUS FMD SYSTEM KEY FEATURES

The FMD system comprises three fundamental parts:

VERSATILE

The FMD system is both diver or ROV deployable. Being of a compact design the probe is able to get into to hard to reach areas (e.g. K nodes) where other inspection methods cannot. A range of versatile options to suit working depths and varying requirements are available:

	REPORTING SOFTWARE	Granus		
		SUBSEA UNIT LIGHTWEIGHT ACETAL	CABLE PROTECTO PROVIDES EXTRA CABLE PROTECTIO AND AN ATTACHMEI POINT FOR DIVERS	PROBE HANDLERNLIGHTWEIGHTNTACETAL
YGNUS			Ø	
SUBSEA UNIT	PROBE AND PROBE HANDLER	SYSTEM TEST TANK USED TO RUN A FULL SYSTEM TEST OF THE FMD SYSTEM	CABLE 120M LENGTH OR	COMMUNICATIONS PSU PROVIDES POWER AND COMMUNICATIONS TO THE DIVER
	GO TO PRODUCT PAGE			HANDLE OPTIONS FOR DIVERS

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COST EFFECTIVE

The Cygnus FMD System is owner operated and extremely easy to learn and understand. Due to its simplicity of use, the FMD system can be used by a range of operators, with varying experience, without the need for external contractors.

EASY TO USE

The Cygnus FMD has an innovative probe handling solution which self aligns, ensuring correct contact with the member, even when approached from an angle.

The system also has a contact sensor which will not allow a test to be taken unless the probe is correctly aligned.

The system returns a simple DRY / FLOODED result to the reporting software with results logged at the surface.

RUGGED

Available in high grade acetal for the harshest environments. The FMD equipment is designed to the highest standards, supported by a three year warranty.

RELIABLE

Cygnus is an ultrasonic specialist. Years of industry experience and design expertise combine to make this system an extremely advanced, effective and reliable Ultrasonic FMD System available.

- The purpose-designed system boasts:
- advanced signal processing
- an advanced peak detection algorithm
- low distortion / low noise data acquisition to ensure highest level of confidence and to eliminate false readings.
- The system will only take a measurement when the contact sensor detects probe contact, ensuring reliable results every time. The reporting software will indicate at the surface should the probe lose contact during a test.
- System Test Function ensures the reliability of the system before it is deployed.

FMD REPORTING SOFTWARE

- Used to perform system tests
- Displays test results
- Displays A-Scans for verification
- Indicator shows RED if flooded, GREEN if dry
- Logs results for offline analysis
- Reports can be generated and exported to PDF and Excel



Call our team today on +44 (0) 1305 265 533 for expert product advice

CYGNUS FMD SYSTEM

USB Mini B Connector under end cover (other end to connectors). Can be used to update the instrument firmware.

Power Supply Requirements (GenzPower Supply Input to Belectronics Bottle"2-24V supply input @ 60mA (average current)" @ 200mA (maximum current)"Power Supply Requirements for 230VACConnectors"InAC or 230VACConnector@ CER PL-A-09-M. Mates with Bulkhead CRE BR-A-09-FType 19Power/Comms connectorMCBH44External Power/Comms connectorMCBH4FConnector0000 (200 (200 (200 (200 (200 (200 (200	Feature	Description			
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	Dry Weights				
Acetal Probe Holder 1.95kg max.	Acetal Electronics Bottle	0.9kg			
	Acetal Probe Holder	1.95kg max.			



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