

DMS-H

HEAVE SENSOR

Ideally suited to a wide range of offshore applications.

Whether in ports and harbours, offshore or as part of a hydrographic mapping programme, the need to measure ocean depths with the utmost accuracy is vital.

The DMS-H heave sensor has been developed to work with a wide range of modern single beam echosounders. With their design allowing acceptance of correction data from the DMS-H, real-time heave compensation of the sounder data is now achievable. Providing heave data in analogue and digital format, the outputs of the DMS-H are easily configurable via a simple operator's menu.

Compact, ruggedised and quick to install, the sensor is supplied with the cable connector necessary for interfacing and is accompanied by a comprehensive operation manual.

In addition to echosounder compensation, the DMS-H is ideally suited to a wide range of offshore applications including crane and winch control, wave radar and ship motion measurement.

Covered by a comprehensive warranty, the DMS-H also has free technical telephone support for the total life of the product.



Features

- Heave measurement to meet IHO standards
- Provides cost savings by increasing weather windows for survey
- Solid state accelerometers and rate sensors
- Accurate real-time heave data
- Removes vertical motion errors from survey data to eliminate the need for post-processing
- Suitable for a wide variety of vessels
- Free telephone support for life of product
- Designed to provide operators with the optimum cost benefit solution



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TECHNICAL SPECIFICATIONS

Accuracy	5cm RMS or 5% whichever is greater	
Range	+/- 99m	
Resolution	Digital: 1.0cm	
Bandwidth	0.05 to >10 Hz	
Acceleration range (vertical)	±2g	
Noise (with cut-off frequency 0.05 Hz)	<2cm RMS	
Digital interface	Primary comms: RS232 or RS422 (1200 to 19,200 baud)	
Output data rate	50 Hz	
Power requirement	10 – 36 V dc (6W)	
Dimensions	99mm (d) x 172mm (h) + connector	
Weight	1.5kg (3.307 lbs)	
Standard housing material	Hard anodised aluminium, dyed black	
Temperature range	Performance Operating Storage	0°C to 40°C 0°C to 55°C -20°C to +70°C
Enclosure ingress protection	IP65	
Shock (survival)	30g peak 40ms half-sine	
Vibration (operating)	Meets Lloyds Register ENV2 (1996) specification for vibration	
Transverse acceleration	500mg peak 0.1s sine	
Warranty	12 months international warranty including parts and labour	

Due to continuous development, specifications may vary from those listed above.

WORLD LEADERS IN MARINE NAVIGATION



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