



DMS-H Heave Sensor

Features

- Heave measurements to meet IHO standards
- Provides cost savings by increasing weather windows for survey
- Solid state accelerometers and rate sensors
- Provides accurate real-time heave data
- Removes vertical motion errors from survey data
- Eliminates 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

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 echo-sounders. 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 echo-sounder 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.

Low cost heave sensor measurement eliminating errors from single beam echo-sounders and other marine applications



DMS-H Heave Sensor

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	99 x 172mm (3.90 x 6.78 inches) + 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 {32°F to 131°F} -20°C to +70°C {-4°F to 158°F}
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	
Tilt	Operating +/- 30°C	Storage: No limit
Warranty	12 months international warranty including parts and labour	

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

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