

MRU

MOTION REFERENCE UNIT (PITCH, ROLL, HEAVE, AND HEADING SENSOR)

FEATURES

- Various configurations available:
 - Horizontal
 - Vertical
 - OEM
- Solid State Construction
- Low Power Consumption
- Compass Option
- Heave Option
- Accurate Static and Dynamic Range
- Temperature Compensated Calibration



ORE Offshore introduces the newest member of our distinguished Navigation line; The Motion Reference Unit (MRU). The MRU is a solid state (MEMS Type) pitch and roll sensor developed specifically for marine applications. With static attitude RMS accuracy of 0.1 degrees and a dynamic accuracy of 0.25 degrees, the MRU is ready for your most demanding applications. The MRU is available as submersible unit or in an OEM version. The MRU features static references that are traceable to international standards.

For more information please visit ORE.com

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KEY SPECIFICATIONS

MRU SYSTEM PERFORMANCE	
Static Accuracy	0.1 ° (RMS)
Repeatability	0.1 ° (RMS)
Dynamic Accuracy	0.25 degrees (RMS)
Input Voltage	8 to 30 volts DC
Input Power	1 Watt (0.75 Watt without Compass)
Interface	RS-232 (115.2 kbaud and 38.4 kbaud)
Output Sentence	\$POREM format (proprietary)
Output Rate	32 updates per second
Temperature Rating	-4° to 40° C (25° to 104° F)
Compass Accuracy (optional)	0.3°
Compass Resolution (optional)	0.1°
Heave Accuracy (optional)	5cm or 5% scale
STANDARD VERSION	
Length	9.5in (24.1cm)
Housing Diameter	3in (11.4cm)
Width	4.5in (11.4cm)
Depth Rating	9840ft (3000m)
Material	Hard Anodized Aluminum
OEM VERSION	
Length	5.63in (14.3cm)
Width	3.3in (8.32cm)
Height	2.17in (5.52cm)
Weight	7ounces (0.22kg)

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