

# MRU

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

## FEATURES

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



EdgeTech (formerly 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 [www.EdgeTech.com](http://www.EdgeTech.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		0.75 Watt
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)
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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