

MRU

Motion Reference Unit

Motion Reference Unit

(Pitch, Roll, Heave, and Heading Sensor)

- 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.



***What you do underwater is your business...
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Specifications

MRU

System Performance

Static accuracy	0.1 degrees (RMS)
Repeatability	0.1 degrees (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 degrees
Compass Resolution (optional)	0.1 degrees
Heave Accuracy (optional)	5 cm or 5 % scale

Weights and dimensions

Standard Version

Length	9.5 in (24.1 cm)
Housing diameter	3 in (7.6 cm)
Width	4.5 in (11.4 cm)
Weight	4 lbs (1.5 kg)
Depth Rating	9840 feet (3000 meters)
Material	Hard Anodized Aluminum

OEM Version

Length	5.63 in (14.3 cm)
Width	3.3 in (8.32 cm)
Height	2.17 in (5.52 cm)
Weight	7 Ounces (0.22 kg)



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