Gyro, Subsea TSS Meridian

- Small & Lightweight
- High Rate of Turn
- 1000m Rated



DESCRIPTION

The Meridian is a compact, simple to operate master heading reference instrument employing the characteristics of a dynamically tuned gyro and the effect of gravity and earth's rotation to produce a true north reference. Unlike almost every other commercially available system the new Meridian Subsea gyrocompass utilises a dynamically tuned gyrosphere to provide exceptional performance on almost any vessel to a level of performance unmatched by even the latest fibre optic designs.The remarkably stable heading can be maintained in turn rates in excess of 180° per second making the system ideal for sub-sea use on remotely operated vehicles (ROVs), templates and sub-sea construction.Depth rated, the Meridian Sub-sea has been designed for even the smallest of ROVs, however its performance and resistance to shock, vibration and sudden rotation makes it an ideal subsea unit for dynamic offshore environments.

SPECIFICATIONS

Settle Point Error	+/-0.25 degrees sec latitude
Static Accuracy	+/-0.1 degrees RMS sec Latitude
Settle Point	+/-0.25 degrees sec Latitude
Dynamic accuracy	+/-0.5 degrees sec latitude
Settling Time	<45 Minutes to within 0.7 degrees
Follow Up Speed	200 degrees per second
Latitude Compensation	80 degrees North to 80 degrees South
Speed Compensation	0 to 90 Knots
Subsea Communications	Current Loop or RS485
Surface Unit Serial	NMEA0183, Digilog,MDL ,SGBSKR80, SGBASCII
Output Strings	SGBSMP, CDL
Surface Serial Interface Types	RS232
Surface Power Requirements	110-240VAC 46-64Hz
Subsea Power Requirements	24VDC @ 2 Amps

Subsea Dimensions	427.5mm by 236.5mm diameter
Subsea Weight	26.3 Kg