

TOGS



The CDL TOGS (Tiny Optical Gyro System) is a low cost FOG (Fibre Optic Gyro) based North seeking compass for use on vessels and Remotely Operated Vehicles (ROVs).

The extremely small size of the TOGS unit allows the system to be used in many underwater applications where space is at a premium.

TOGS achieves 1% of full heading accuracy in less than 3 minutes and rapidly settles on its full heading accuracy of 0.5 deg secant (latitude).

The system is extremely flexible, it can operate in conjunction with GPS to provide a robust positioning solution for surface vessels. It also provides pitch, roll and heave outputs to accurately track all aspects of vessel or ROV motion.

Housing options include lightweight surface, 3,000m subsea and 7,000m Titanium. The 3000m version weighs only 7kg.



- Low Cost
- Very small size
- Very lightweight
- Optical Technology- no moving parts
- Fast North seeking
- GPS aiding
- Pitch, Roll and Heave outputs

TOGS



Product Specification:

AHRS Specification:

Heading Accuracy: 0.5 deg sec(lat)*
Pitch and Roll 0.1 deg*

Power Requirements:

Voltage 18-30Vdc
Power 8 to 12W

Telemetry Interface:

Serial outputs 4 software configurable serial ports
Serial protocol options RS 232, 422 and 485
Other Interfaces Ethernet is optional

Weight and Dimensions:

Subsea unit 165mm dia x 220mm
Weight in Air 8kg
Weight in Water 3.3kg

Mounting Holes:

M8 on 127mm square pitch

*1 Sigma - Specifications is subject to change without notice