

# TOGS

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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 including ROV, ROTV, Survey and Construction Support.

The system is extremely flexible and reliable providing pitch, roll and heave outputs to accurately track all aspects of vessel or ROV motion.

Housing options include lightweight surface, 3,000m subsea, 4,000m subsea and 6,000m Titanium. The 3000m version weighs only 10.5kg.



## Features:

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

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## Product Specification:

### AHRS Specification:

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

### Power Requirements:

Voltage 12-30Vdc  
Power 16W

### Telemetry Interface:

Serial outputs 4 software configurable serial ports  
Serial protocol options RS 232, 422 and 485

### Weight and Dimensions (3000m Unit):

Subsea unit 175mm dia x 244mm high  
Weight in Air 10.5kg  
Weight in Water 5kg

### Mounting Holes:

M8 on 141mm square pitch

\*1 Sigma - Specifications are subject to change without notice



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