

# TOGS-S

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The CDL TOGS-S (Tiny Optical Gyro System - Surface) is a low cost FOG (Fibre Optic Gyro) based North seeking compass and motion sensor for use on all seagoing platforms including: oil rigs, ships, barges, yachts etc. Developed from our successful subsea TOGS system the TOGS-S has additional functionality added to suit the surface market.

The extremely small size of the TOGS-S unit also allows the system to be used in all sizes of vessel from ocean liners to racing yachts where space and weight is at a premium.

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



## Features:

- Low Cost
- Fast update rate
- Small / Lightweight
- Optical Technology - no moving parts, maintenance free
- Fast north seeking GPS aiding
- Pitch, roll, heave, surge and sway outputs

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## Product Specification:

### AHRS Specification:

Heading Accuracy	0.5 deg sec(lat)*
Pitch and Roll	0.1 deg*
Settling time	<5mins

### Power Requirements:

Voltage	18-30Vdc
Power	16W

### Telemetry Interface:

Standard Ports	2 input, 3 output
Serial outputs	software configurable serial ports (NMEA standards, binary or user defined)
Serial protocol options	RS 232, 422 and 485
Other interfaces	Ethernet option

### Weights and Dimensions:


Surface unit	153mm dia x 208mm
Weight	4kg

### Mounting Holes:

M6 holes on 116mm square pitch

\*1 Sigma

Specification is subject to change without notice

A photograph of a large, modern industrial building with a curved roof, featuring the CD/L logo on its side. The building is set against a dark, hilly background.

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