

CDL MINIRLG2

Ring Laser Gyro

The CDL MiniRLG2 is a high grade AHRS measurement unit that meets the ever increasing demands for accurate measurement of attitude, orientation and navigation offshore. It uses Ring Laser Gyro (RLG) technology giving a product that is highly accurate, stable, small and light, and has no moving parts.

CDL MiniRLG2 has a variety of functions, it can be used as a heading, pitch and roll sensor, or as the core of a sophisticated inertial measurement unit taking aiding inputs from Doppler Velocity Log (DVL), GPS, velocity, and depth sensors.

The CDL MiniRLG2 has been designed to meet the demands of users and provides a variety of data output formats. It is fully compatible with industry standard acoustic and integrated sensor packages.



PRODUCT FEATURES AND BENEFITS

- Survey gyrocompass
- DVL, GPS aiding
- Heave surge sway O/P
- Upgrade path to MiniPOS3
- Highly rugged
- RLG optical technology - no moving parts
- Variable data output
- Lightweight



TELEDYNE TSS
Everywhereyoulook™

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TECHNICAL SPECIFICATIONS

		Standard T16 IMU	High Performance T24 IMU
Performance	Heading accuracy	+/- 0.169° secant latitude RMS	0.028° secant latitude RMS
	Roll & pitch accuracy	0.028° RMS	
	Heave accuracy	5cm or 5%	
	Settling time	10 minutes	
	Angular rate	+/- 1000°/s	
	Operating latitude	+/- 70°	
Position	Free inertial drift	N/A	
	DVL aiding	N/A	
	GPS aiding	N/A	
	USBL & LBL aiding	N/A	
Power	Power supply	18 - 30Vdc	
	Power consumption	35W (max)	
Interface		RS232 or RS422 selectable	
Physical Characteristics	Dimensions	177mm (d) x 268mm (h)	
	Weight in air	9.8kg	
	Weight in water	2.5kg	
	Rating	3000m	
Environmental and EMC	Operating temperature	-10°C to +55°C	
	Storage temperature	-40°C to +60°C	
	Environmental	Designed to meet IEC 60945	
	EMC	Designed to meet IEC 60945	
	MTBF	N/A	
Options		4000m and 6000m depth rated (T16 only)	
		Deck cable (25m standard)	
		Spares kit	
		MiniRLG2/MiniPOS2 to MiniPOS3 upgrade	
Compliance	Standards	N/A	
	Export	UK	ECCN 7A0003d
		USA	These goods are controlled under the International Traffic in Arms Regulations (ITAR)
Warranty		12 months international warranty including parts and labour	
Mounting		Industry Standard adaptor plate	

COMPANY WITH
MANAGEMENT SYSTEMS
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =

Specifications subject to change without notice.
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