

# MiniRLG

The MiniRLG is a very compact device measuring only 18cm in diameter by 30cm high. The subsea housing is rated to 2,000m water depth (6,000m available) and the entire package weighs less than 2.5kg in water. Information from the MiniRLG is available in Current loop, RS-485 or RS232 formats. The user can select the parameters required in the data telegram. By limiting the data output to the required parameters the update rate can be raised to very high speeds (>10 per second).

## FEATURES AND BENEFITS

- High accuracy
- light weight
- Highly rugged
- No moving parts
- Variable data output
- 6,000m depth rating



## TECHNICAL SPECIFICATION

### Unit Performance:

Heading accuracy	0.169 degrees secant lat.
Pitch and roll	0.028 degrees
Angle random walk	0.02 degrees/root hour
Bias repeatability	0.1 degrees/hour
Scale factor repeatability	75 ppm
Axis alignment	20 arc-second

### Telemetry Interface:

Bi-Directional Current Loop, RS-485 or RS232

### Depth Rating:

3000 meters	(Standard)
6000 meters	(Optional)

### Power requirements:

Consumption	35W (max.)
IP Voltage	100-260Vac (universal)
Or IP Voltage	18-32Vdc

### Settling Time:

5-10 minutes (min) from switch-on

### Mounting:

4 holes M10.5 144 x 144 mm  
Bi-Directional Current Loop or RS232  
RS422 for DVL and GPS interfacing

### Weights and Dimensions:

Subsea unit:	182mm dia x 300 mm (7.17" dia. X 11.8")
Weight dry:	9.8kg (21.6lbs )
Weight in water:	2.33kg (5.13lbs )
Mounting	(4 holes) M10.5 144 x 144 mm (M10.5 5.67 x 5.67")

Note: Dynamic Positioning Services reserve the right to amend this specification without prior notice.