

# OceanTools

## Gyro Survey Packages

### Heading, pitch and roll measurement

The **OceanTools** range of **Gyro Survey Packages** are designed to suit many subsea applications including attitude measurement and verticality surveys.

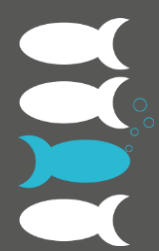


## Overview

**Gyro Survey Packages** may be operated in *two* modes: fully standalone or with an umbilical to the surface. Survey grade *heading, pitch* and *roll* (or *azimuth* and *angle*) are output with optional *depth* data to be displayed on the ROV or diver-viewable **OceanDISP** subsea display.

Standard or custom designed deployment frames are available to suit a wide range of *attitude* or *verticality* measurement applications, including:

- Template installation
- Wind-farm installation
- Jacket installation
- Verticality survey



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A typical **Gyro Survey Package** comprises the following components:

- **OceanFOG** survey grade gyrocompass
- **OceanDISP** subsea display
- **C-Switch** master on/off switch
- *Optional* **Digiquartz** pressure/depth sensor
- *Optional* **MetroSTAB** metrology stab

### Key Features

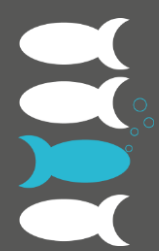
- *Survey grade* heading, pitch and roll accuracy
- Robust, *customisable* subsea deployment frames
- ROV deployable and recoverable
- Supported by experienced gyro engineers



*OceanDISP (3000m rated)*



*Software displays multiple parameters simultaneously*



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#### Specifications

Typical Package	
Frame materials	UHMWPE, 316 stainless steel
Depth rating	1000m or 3000m
Weight in air	65kg approx.
Weight in water	31kg approx.
Dimensions (W x H x D)	675mm x 490mm x 300mm

OceanFOG	
Heading accuracy (typical)	0.2° secant Latitude
Heading resolution	0.1°
Pitch & Roll accuracy (typical)	0.05°
Pitch & Roll resolution	0.01°
Run-up time (depending on latitude)	3–10 mins

Digiquartz	
Pressure accuracy (typical)	0.01% Full Scale
Depth resolution	0.1m

OceanCELL-38	
Battery duration (continuous, typical)	12 hours
Battery duration (standby mode, typical)	300 hours
Battery capacity	38Ah

Product datasheets, GA drawings, case studies and other supporting documents are available to download from [data.oceantools.co.uk](http://data.oceantools.co.uk)

All specifications are subject to change without notice. E&OE.

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