



OceanTools

VMS

Verticality measurement systems

The **VMS** is the latest generation of **OceanTools** field proven subsea verticality survey packages. They are integrated solutions combining several **OceanTools** products into an innovatively designed deployment frame.



Overview

With vertical scrolling subsea displays, integral subsea battery packs and delta mounting brackets for easy deployment and recovery, **VMS** systems are ROV recoverable and portable, extremely robust and can be supported by highly trained and experienced OceanTools engineers.

The **VMS** provides pitch and roll or angle and quadrant information via a **DISTIL-V** inclinometer with integral subsea display.

The **VMS** contains an *integral* battery pack which obviates the need for an umbilical to the surface.

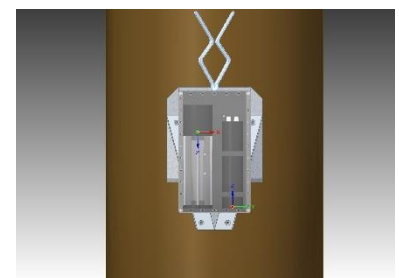
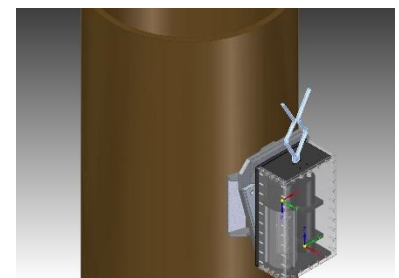
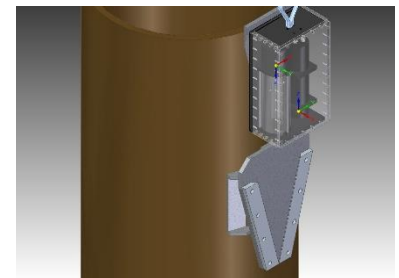
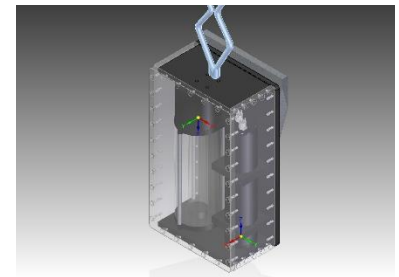
The system is innovatively packaged to make it as low a profile as possible and ideal for passing through the Texas Deck.

Applications include verticality survey when spudding new wells, wind farm installation, jacket installation or piling operations.



Key Features

- Pitch and roll or angle and quadrant
- Field proven harsh environment technology
- Low profile design
- ROV deployable and recoverable



Specifications	
Pitch range	±180°
Roll range	±180°
Pitch & roll accuracy 0°±10	0.05°
Pitch & roll resolution	0.01°
Battery capacity	12.6Ah
Operational current *	150mA @ 24VDC
Depth rating	3000m
Frame width **	360mm
Frame height **	570mm
Frame depth **	190mm
Weight in air **	25kg

* = typical value at full brightness | ** = excluding fish tail and delta bracket

Related Products

The **AMS** range of attitude measurement systems use similar inclinometer and display technology to the **VMS** in a choice of horizontally oriented frame designs.

Gyro Survey Packages offer an advanced attitude or verticality measurement solution, providing survey grade heading, pitch, roll, azimuth and angle from a Fibre Optic Gyrocompass.