

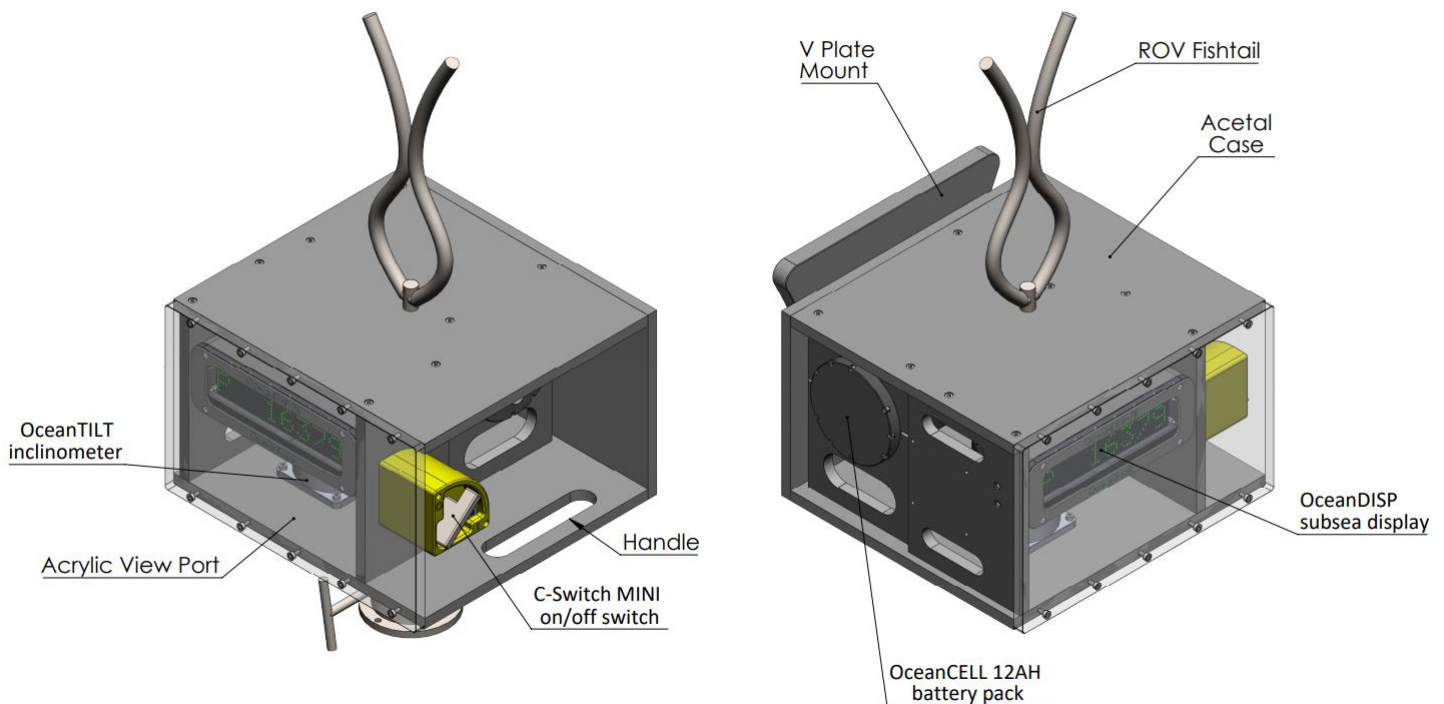


# OceanTools

## AMP

# Attitude Monitoring Package

The OceanTools **AMP** is a precision-engineered, self-contained package combining several OceanTools products in a robust frame to create an *integrated* subsea inclination measurement system.



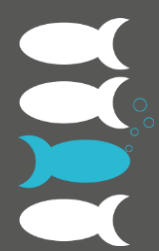
## Overview

At the heart of the **AMP** is a very precise **OceanTILT** dual axis inclinometer and high visibility **OceanDISP** LED matrix subsea display, housed in the same underwater housing frame.

The **AMP** contains an *integral* **OceanCELL-12** battery pack which obviates the need for an umbilical to the surface, and a **C-Switch** underwater switch to isolate power from the inclinometer and display when not in use.

The unit can either sit horizontally on a metrology stab or magnetic base, or can be deployed vertically using a V plate mount and receptacle. A fishtail tooling handle on top of the frame makes it ROV deployable and recoverable.

Applications for the **AMP** include the installation of subsea manifolds, suction anchors, templates and other underwater structures.



Specifications	
Angular measurement range	±180°
Angular measurement accuracy 0°±10	0.05°
Angular measurement resolution	0.01°
Battery capacity	12.6Ah
Operational current *	150mA @ 24VDC
Frame width	450mm
Frame height (excl ROV fishtail)	287mm (add 181mm for Metrology Stab)
Frame height (incl ROV fishtail)	709mm (add 181mm for Metrology Stab)
Frame depth	432mm (add 50mm for V Plate Mount)
Weight in air	34.4kg (with V Plate Mount) 37.1kg (with Metrology Stab)
Weight in water	14.5kg (with V Plate Mount) 15.6kg (with Metrology Stab)
Standard depth rating	3000m

\* = typical value at full brightness

## Related Products

**C-Level** is a compact integrated digital inclination measurement and display unit suitable for ROV or diver deployment.

**OceanDISP-7K** is a versatile, light-activated deep ocean display unit capable of interfacing to the serial outputs of a wide range of subsea devices.