

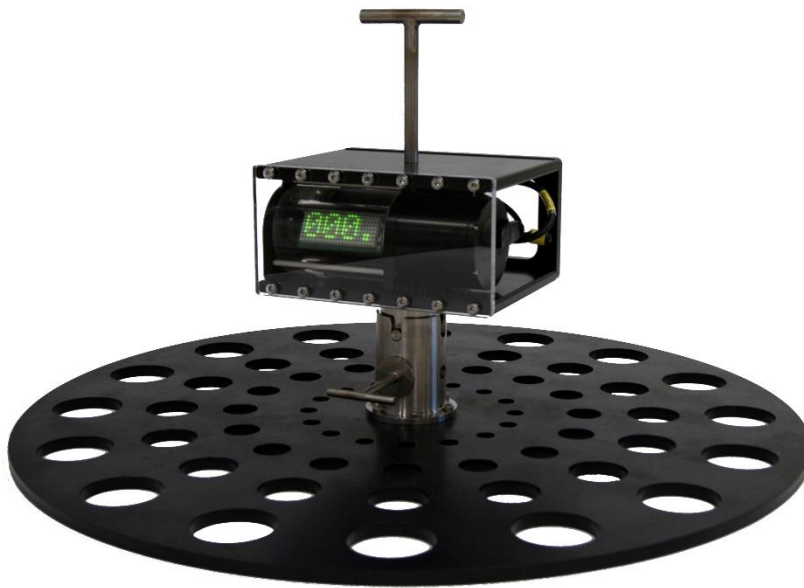


OceanTools

AMS and AMS-M

Attitude measurement systems

The **OceanTools AMS** and **AMS-M** are precision-engineered, self-contained *subsea inclinometer packages*. They each combine several **OceanTools** products into one robust frame to offer an *integrated* subsea inclination measurement system.



AMS integrated subsea inclinometer package

Overview

At the heart of the **AMS** is a very precise dual axis inclinometer housed in the same underwater housing frame as the display.

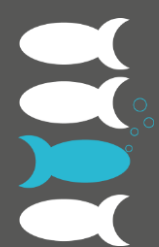
The **AMS** contains an *integral* battery pack which obviates the need for an umbilical to the surface.

The **AMS** remains in a low power consumption quiescent state until an ROV or diver shines a light on the display which then wakes up* and activates the system before it returns to sleep after a programmable delay.

The **AMS-M** is a smaller and more cost-effective version of the **AMS**.

Applications for the **AMS** and **AMS-M** include the installation of subsea manifolds, templates and other subsea structures.

* = not applicable to the *AMS-M*



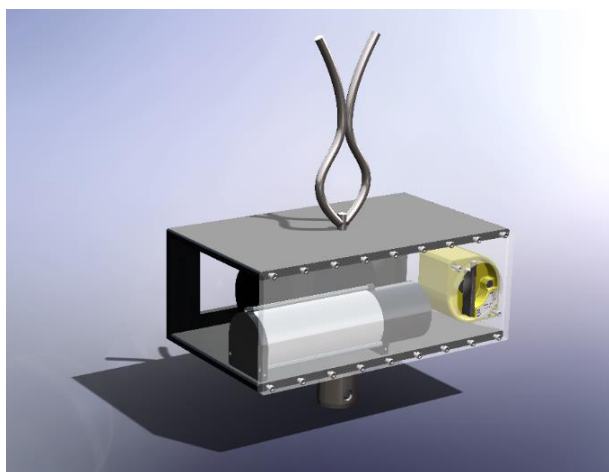
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AMS and AMS-M

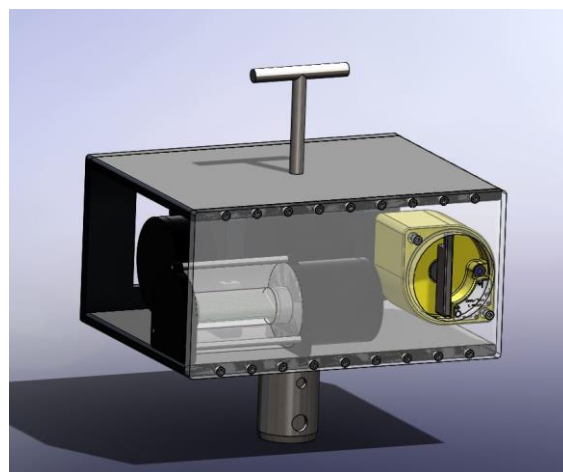
Attitude measurement systems

Configuration Options

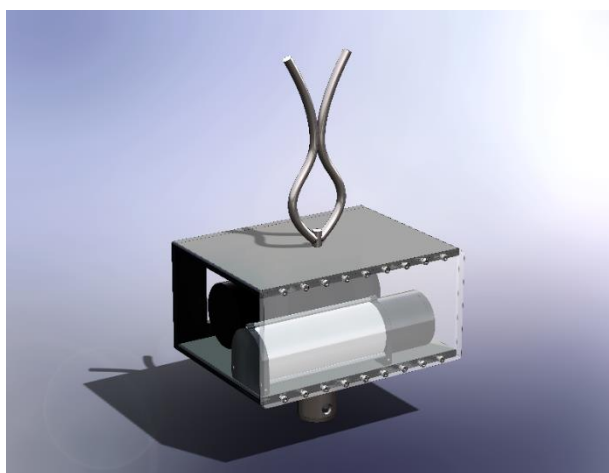
	AMS	AMS-M
Depth rating	1000m or 3000m	1000m or 3000m
DISTIL variant	DISTIL	DISTIL-M
OceanCELL battery pack	Included	Included
C-Switch master on/off switch	Optional	Optional
MetroSTAB metrology stab	Optional	Optional



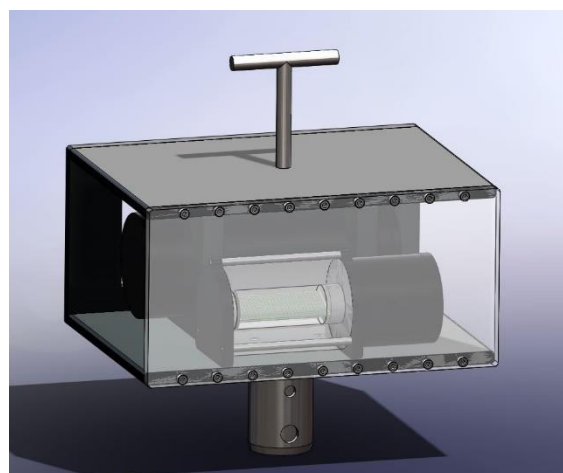
AMS with C-Switch



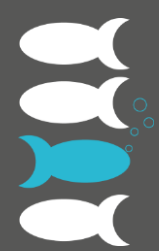
AMS-M with C-Switch



AMS without C-Switch



AMS-M without C-Switch



OceanTools

AMS and AMS-M

Attitude measurement systems

Specifications

	AMS	AMS-M
Pitch range	±180°	±180°
Roll range	±180°	±180°
Pitch & roll accuracy 0°±10	0.05°	0.05°
Pitch & roll resolution	0.01°	0.01°
Battery capacity	12.6Ah	12.6Ah
Operational current *	150mA @ 24VDC	75mA @ 24VDC
Frame width	650mm	500mm
Frame height **	250mm	250mm
Frame depth	385mm	385mm
Weight in air	50kg	30kg
Weight in water	20kg	10kg

* = typical value at full brightness | ** = excluding handle and metrology stab

Related Products

VMS verticality measurement systems use similar inclinometer and display technology to the **AMS** range, but packaged in a low profile frame designed for verticality operations.

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.