C-Level

The OceanTools C-Level is an ROV or diver deployed digital level that may be used to measure and display the inclination angle of underwater structures or mooring lines.

The C-Level is an integrated inclination measurement and display unit. The measured angle is shown in real time on a high visibility LED matrix display.
Building on the success of the DISTIL display and tilt sensor, it has a 300m depth rated acetal housing with anodized aluminium front plate and acrylic window. The unit has an integral 3.6Ah rechargeable battery pack, which is ample to power it for a full working day.
Handle options including bar, fishtail, T-type and D-type are available to aide deployment by ROV or diver. Mounting block guides can be fitted to allow it to sit on a mooring chain or wire and measure the angle of the mooring. There is also the option for a magnet on the base with an approximate holding force of 60kg in ideal conditions.

Key Features

- Integrated sensor and display
- ±180° operating range
- Integral 3.6Ah battery pack
- Range of handle and mounting options
- 300m standard depth rating

Specifications

	C-Level
Angular measurement range	±180°
Angular measurement accuracy 0°±10	0.05°
Angular measurement resolution	0.01°
Nominal battery capacity	3.6Ah
Typical operating current	185mA @ 24VDC
Typical operating duration	> 18 hours
Typical battery charge duration	4–5 hours
Depth rating	300m
Standard connector	Glenair G5507-1508
Length (excluding connector)	300mm
Depth	118mm
Typical heights	120mm (excluding handle) 205mm (with Bar handle) 337mm (with D-Type handle)
Minimum weight in air	5.2kg
Minimum weight in water (estimated)	3.5kg

Related Products

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.

OceanTILT is a stand-alone dual axis inclinometer sensor offering pitch and roll as a serial output, and is central to our range of integrated attitude and inclinometer packages.

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