



OceanTools

C-Laser

Subsea spot or fan laser

The **OceanTools C-Laser** is a very *compact, rugged and cost-effective* subsea laser. Available in spot, crosshair and fan formats, the C-Laser has been designed for a wide range of subsea pointing, scaling and ranging applications.



Overview

The **C-Laser** has a very low power consumption and draws just 75mA at 12VDC. The unit may be powered anywhere from 12VDC to 24VDC.

C-Laser incorporates a visible solid-state *Class IIIb / 3B* laser with an output power of up to 100mW, available in red (635nm) or blue (450nm) variants. Direct eye exposure should be avoided, but the laser is considered safe if handled carefully.

Laser Scaler

Brackets are available to hold two **C-Lasers** and an underwater camera. The **C-Laser** produces two parallel laser beams which may be viewed on the camera monitor and can be used to estimate the distance to an object with reasonable accuracy.

Echo-Ranging Laser Pointer

For improved range measurement a single **C-Laser** may be mounted parallel to an **OceanTools MA500D** precision altimeter for millimetric distance measurement accuracy subsea.



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Key Features

- Compact, rugged design
- Spot, crosshair or fan projection
- 6000m depth rating
- Wide input voltage range
- Red (635nm) or blue (450nm) lasers
- Brackets for cameras and altimeters



C-Laser and camera mounting bracket

Specifications	
Laser colour/wavelength	Red/635nm, Blue/450nm
Fan beamwidth (underwater)	45° (other options available)
Depth rating (standard)	6000m
Voltage input	12–24VDC
Maximum current	75mA @ 12VDC
Underwater connector	2 pin micro Wetcon
Material	Hard anodised aluminium
Length (excl connector)	114mm
Diameter	35mm
Weight in air	220g
Weight in water	140g
Shock rating	5g
Operating temperature	-5°C to +35°C
Storage temperature	-10°C to +50°C

Product datasheets, GA drawings, case studies and other supporting documents are available to download from data.oceantools.co.uk

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

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