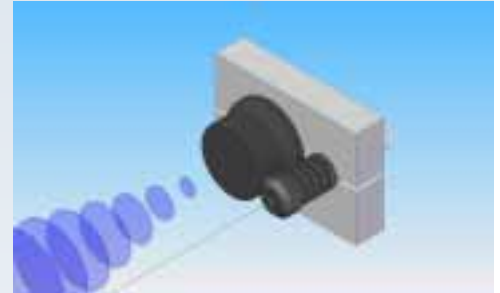


OCEANTOOLS

Innovative Products & Solutions for use in some of the world's harshest environments

C-LASER

Underwater Lasers for Pointing, Scaling and Ranging



The OceanTools C-Laser is a very compact, rugged and cost-effective subsea laser that has been designed for a wide range of subsea pointing, scaling and ranging applications.

The laser has a very low power consumption and draws just 250mA at 24VDC. The unit may be powered anywhere from 4VDC to 25VDC.

The solid-state lasers are available in red (635nm) or green (532nm) variants. Because the power of the laser is below 5mW they are therefore classed as 'Laser class III-a' meaning no special training is required to operate them.

Laser Scaler

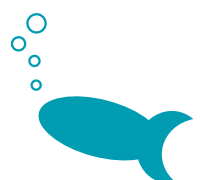
Brackets are available to hold two C-LASERS and an underwater camera. The C-LASERS produce two parallel laser beams which may be viewed on the camera monitor and can be used to estimate the distance to an object with reasonable accuracy.

Echo-Ranging Laser Pointer

For improved range measurement a single C-LASER may be mounted coaxially to an OceanTools MA500 precision altimeter for millimetric distance measurement accuracy subsea.

KEY FEATURES

- Compact, rugged design
- 3000m depth rating
- Wide input voltage range
- Red and green lasers
- Mounting brackets available for cameras and altimeters
- Optional battery pack



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SPECIFICATIONS

Laser

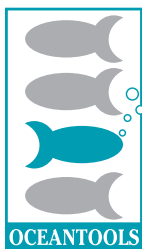
Laser colour / wavelength	Red / 635nm Green / 532nm
Depth rating, standard	3000m
Depth rating, optional	6000m
Voltage input	4-25VDC
Power requirements	250mA @ 24VDC
Underwater connector	2 pin micro Wetcon
Optional connector	To customer's requirements
Materials	Hard anodised aluminium (3000m unit) Titanium (6000m unit)

Dimensions

Length	90mm
Diameter	30mm
Weight in air	0.5kg
Weight in water	0.3kg

Environmental

Shock rating	5g
Operating temperature	-5° C to 35° C
Storage temperature	-10° C to 50° C



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