

CT4005 & CT4007 Subsea Laser

Technical Specification

Model	CT4005 (Red, dot), CT4005/L (Red, line), CT4007 (Green, dot), CT4007/L (Green, line)
Housing	Titanium (Standard)*
Window	Sapphire
Depth Rating	6000 m
Dimensions	L 135 mm × D 30 mm
Weight	390 g (water) / 490 g (air)
Connector	MCBH2M
Voltage	9–30 VDC
Power Consumption	<300 mA
Operating Temperature	-10°C to +40°C
Operating Life	50,000 hours
Laser Type	Diode, Class 3R, 4 mW
Divergence	<0.75 mrad (red), <0.4 mrad (green)
Wavelength	635 nm (red), 532 nm (green)

*Alternative housing materials available on request



Order Code: CT4005-TI (Red, Dot)
CT4005/L-TI (Red, Line)
CT4007-TI (Green, Dot)
CT4007/L-TI (Green, Line)

Subsea dot and line lasers for scaling and measurement applications

The C-Tecnics subsea lasers are compact, rugged solid-state units designed for underwater highlighting, identification, and scaling applications.

When used in pairs, the lasers can be mounted at a known, calibrated distance to provide accurate visual scaling and measurement. Available in both dot and line configurations, in red and green variants, they offer flexibility across a range of subsea operations.

The units are Class 3R laser products and can be powered from a 9–30 VDC supply. Integrated voltage and reverse polarity protection ensure reliable operation in demanding environments.

Applications: ROV operations, Survey, Marine scientific, Commercial diving

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