

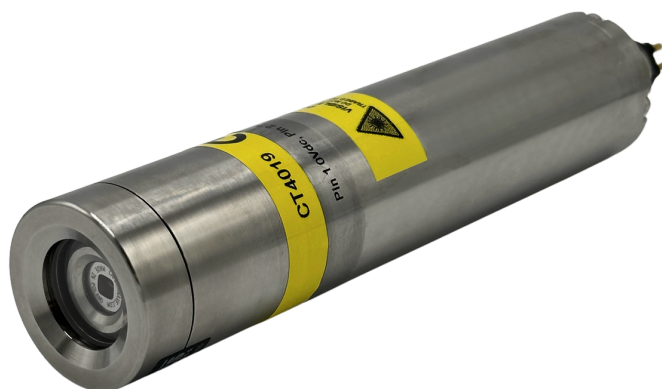
CT4019 Class 3B 200 mW Subsea Line Laser

Technical Specification

Model	CT4019 (Green, line)
Housing	Titanium (Standard)*
Window	Sapphire
Depth Rating	6000 m
Housing Dimensions**	L 180 mm × D 40 mm
Weight	267 g (water) / 410 g (air)
Connector	MCBH2MSS (Standard)
Input Voltage	12–24 VDC
Power Consumption	<300 mA
Laser Classification	Class 3B
Laser Output Power	200 mW
Laser Type	Diode
Divergence	<0.4 mrad
Wavelength	532 nm
Operating Temperature	-10°C to +40°C
Operating Life	50,000 hours

***Alternative housing materials available on request**

****Excluding connector**



Order Code: CT4019-TI (Green line)

Subsea high-power line laser for scaling and measurement applications

The CT4019 is a compact and rugged solid-state subsea laser designed for underwater highlighting, identification, scaling, and measurement applications.

Measuring just 180 mm in length (excluding connector) with a 40 mm diameter, the CT4019 can be mounted individually or in pairs. When used in pairs, the units can be mounted at a known calibrated distance to provide accurate visual scaling and dimensional reference during subsea inspection and survey operations. The high-visibility green line output is well suited to demanding subsea environments and longer-range applications where enhanced visibility is required.

The CT4019 is a Class 3B diode laser product with an output power of 200 mW and a wavelength of 532 nm. The laser can be powered from a 12 to 24 VDC supply, with integrated voltage and reverse polarity protection to support reliable operation in demanding subsea environments.

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

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