

Features

- 6,000 Metre Rated Titanium Housing
- Compact Housing
- Uniform Intensity Distribution Along the Line



Description

The Bowtech Products OceanLASER-L underwater laser is housed in Grade 5 Titanium and is designed to operate in water up to 6,000 metres. The front port is manufactured from optical quality sapphire glass. The OceanLASER-L, underwater laser, utilises a uniform line laser that dissipates the output power evenly along the length of the line.



LASER RADIATION
DO NOT STARE INTO BEAM OR VIEW
DIRECTLY WITH OPTICAL INSTRUMENTS
CLASS 2MLASER PRODUCT

Caution:

Do not stare into the beam. Staring directly into the beam or the reflected beam can cause permanent eye damage. Please refer to the regulations according to EN 60825-1 and BGV B2. For Laser sources classified in Laser Classes 3 and 4, please refer to the additional regulations according to EN 207/208 (Laser Safety). The customer is responsible for ensuring that the device conforms to Laser Safety Standards.



Specification - OceanLASER

ELECTRICAL

Wavelength	532nm (other wavelengths on request)
Wavelength Stability	<0.25nm/°C
Operating Voltage	12Vdc to 24Vdc (reverse polarity protection)
Current	<200mA (depending on output power)
Output Power	8mW (other options available)
Line Uniformity	± 20% (optional ± 10%)

ENVIRONMENTAL

Water Depth:	6,000m
Storage Temperature:	-20 to +60°C
Operating Temperature:	-5 to +40°C

OPTICAL

Focus:	50mm to Infinity
Fan Angle:	90° in air, 64° in water
Window:	Sapphire

MECHANICAL

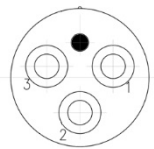
Maximum Diameter:	25mm (0.98") at Widest Part
Length:	129.5mm (5.1") Excluding Connector
Weight in Air:	240g
Weight in Water:	176g
Standard Housing:	Titanium
Standard Connector:	MCBH-3M-SS-SC
Optional Connectors:	Large Selection of Connectors



Specification



Connector Face Pattern



MCBH-3M-SS-SC



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