

TETRA SUBSEA LASER MODULE

The TETRA subsea laser module is a compact, rugged solid state subsea laser that has been designed for a variety of underwater highlighting and identification tasks, or when used in pairs, for scaling and ranging operations. Two or more units can be mounted a known distance from one another and will produce red dots on the targets at an equivalent spacing such that accurate measurements can be taken.

The TETRA laser module is a self contained solid-state subsea laser pointer which is categorised as a Class 3 laser product meaning no specialised training is required to operate the unit. The laser can be powered from a 9-30V DC supply and is equipped with over voltage and reverse polarity protection. These units are available as standard in a hard anodised aluminium housing which is depth rated to 1000m. Other housing materials for deeper water applications are available on request.

Specification

Electrical

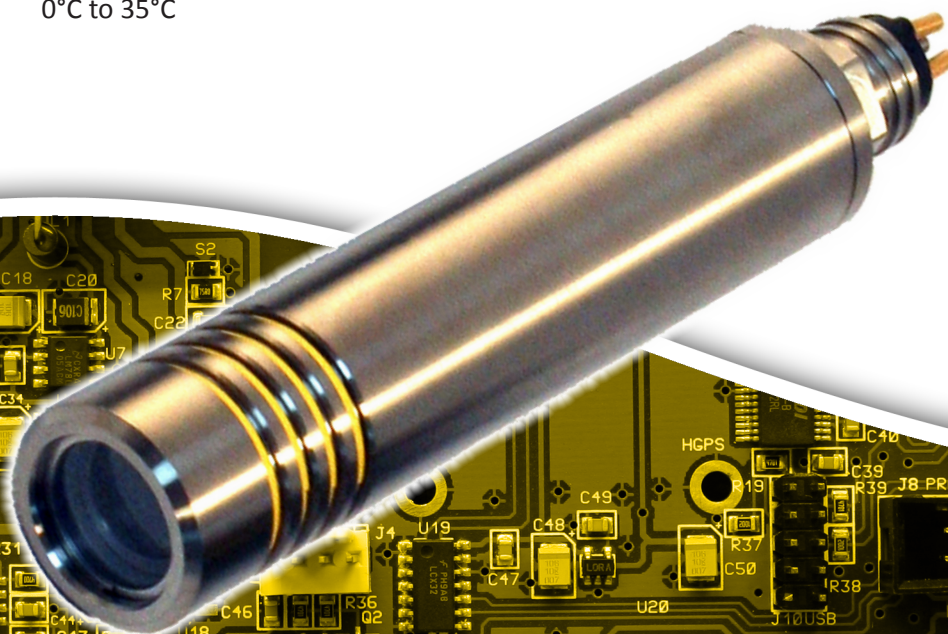
Voltage	9-30Vdc
Power	45mA
Connector	MCBH2MP

Laser

Type	Laser Diode, Class 3b, 4mW
Beam Divergence	0.75mrad
Wavelength	635nm (Red)
Temperature Range (Operating)	0°C to 35°C

Mechanical

Depth Rating	1,000m
Housing Material	Aluminium, 6082-T6 (Optional SST or Titanium)
Window	Acrylic
Length	132.5mm
Body Diameter	34mm max
Weight in Air	Approx. 0.44kg
Weight in Water	Approx. 0.34kg



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