

LASER

Model BLS-LN01-001

DATASHEET



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LASER

MODEL BLS-LN01-001



The **BMP Tech Laser** was developed for demanding underwater operations, ensuring high precision and stability in measurements and underwater alignments. With advanced technology, it is ideal for visual inspections, mapping, and positioning control in extreme environments.

Equipped with a versatile power system, it operates within a wide voltage range, ensuring compatibility with various submersible systems. Its **6Al4V GR5 titanium alloy** structure provides corrosion resistance and withstands **depths of up to 4,500 meters**, featuring a compact and robust design for easy integration into ROVs, AUVs, and other platforms.

Additionally, it is available with various connector and cabling options, with BMP Tech's Quick Connector Series being the recommended solution for maximum efficiency and safety.

TECHNICAL SPECIFICATIONS:

Electrical	Voltage	(12 to 24)VDC
	Energy Consumption	(<300)mA
	Connector	BQC-BK-003(BMP Tech Quick Connector), MCBH3M(Subconn), 5507-1503(Burton) Contact us for more options
Optical	Window	Sapphire
	Laser type	Diode, 50mW
	Typical wavelength	532nm
	Beam angle (Line)	90°
	Operating lifetime	>5000h
Mechanical	Housing	6Al4V GR5 Titanium alloy
	Dimensions	Ø30mm (Diameter) x 135mm (Length / excluding the connector)
	Weight in air	478g
	Weight in water	378g
Environmental	Depth rating	4.500m
	Storage Temperature	(-20 to 60)°C
	Operating temperature	(-10 to 40)°C

Pinout – Conector SubConn (MCBH3M)	
PIN	FUNCION
1	- 0Vdc
2	+ 24Vdc
3	N/C