



The OE&P Mini-Green laser is a small, low cost laser system designed for use on subsea systems, such as ROV's and manned submersibles. The human eye perceives the 532 NM green laser as 27 times brighter than the traditional red laser. Additionally, the red light has more attenuation in water than the green lasers. This laser features the patented Harbor Branch filter that prevents exposure to the laser while the unit is not in the water. The laser is excellent for use in camera aiming, depth of field indication, and scaling. When two or more lasers are coupled with imaging software, they can provide area and size measurements as well as more advanced measurements through post-processing.

Specifications

Mechanical

Housing	6061-T6 aluminum (black anodized)
Optical Port	S1-UV grade fused silica
Length	26.67 cm. (10.5 inches overall)
Diameter	5.08 cm. (2 inches)
Weight	1-lb. 13.2 ounces (air)

Electrical

Voltage	24 VDC standard (other voltages available)
Current	400 ma. (internally regulated)
Connector	Impulse XSG-2-BCL-HP Mate RMG-2-FS

Laser

Type	Semi-conductor laser diode, Class III
Wavelength	532 NM (Green)
Optical Power	> 3 mw
Beam Diameter	1 mm
Beam Divergence	< 1.5 mrad

Operational Ratings

Depth	6100 meters (20,000 feet)
Temperature	0 to 25°C

Options

Also available in red (635nm.)

Typical Applications Include

Camera aiming, range finding, depth of field indicators, and scaling

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