

## Micro *Sealaser* TM

6,000 METER
DEPTH RATING
<5 mW BEAM
OUTPUT
SMALL & LIGHT
CAN BE USED
SINGLY OR IN
PAIRS



The Micro *SeaLaser*<sup>™</sup> is an underwater scaling, rangefinding, and aiming device that utilizes a 635 nm and <5 mW semiconductor laser diode. The powerful beam output provides visibility at greater ranges than less powerful lasers. Mounted in parallel, two Micro *SeaLasers* add scale to video or photographic images in the form of two brilliant red dots separated by a known distance. Two Micro *SeaLasers* mounted to produce intersecting beams can be used to determine an object's distance or to maintain constant positioning

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## Micro SeaLaser<sup>TM</sup> Specifications

**MECHANICAL** 

Housing Material: 6AL-4V Titanium; other materials available

Port: Sapphire, anti-reflective coated

Length: 12.03 cm (4.73 in.) Diameter: 1.84 cm (0.72 in.)

Weight in Air (approx.): 75 g (2 oz.) Weight in Water (approx.): 40 g (1 oz.)

**LASER** 

Type: Semiconductor laser diode Class III-A

Beam Diameter: 1.8mm x 0.5mm

Wavelength: 635 nm

Beam Divergence: 0.09 mRadians x 0.19 mRadians

Beam Power: <5mW

ELECTRICAL

Voltage: 7-30 VDC

Connector: Impulse Sub-Miniature Connector IE55 (titanium), 2-pin

Current: 47 mAPin-out: 1 = Ground2 = Power

**ENVIRONMENTAL** 

Depth: 6,000 meters (20,000 feet)



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