



DEEPSEA
POWER & LIGHT

Micro-SeaLaser

**6,000 METER
DEPTH RATING**

**7 mW BEAM
OUTPUT**

SMALL & LIGHT

**CAN BE USED
SINGLY OR IN
PAIRS**



The Micro-SeaLaser is an underwater scaling, rangefinding, and aiming device that utilizes a 635 nm-7 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

Micro-SeaLaser 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-B
Beam Diameter:	1.8mm x 0.5mm
Wavelength:	635 nm
Beam Divergence:	0.09 mRadians x 0.19 mRadians
Beam Power:	7 mW

ELECTRICAL

Voltage:	7.5-16 VDC
Connector:	Impulse Sub-Miniature Connector IE55 (titanium), 2-pin
Current:	47 mA

ENVIRONMENTAL

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



Specifications subject to change without notice

DEEPSEA POWER & LIGHT • 3855 Ruffin Rd. • San Diego, CA 92123 USA • TEL (858) 576-1261 • FAX (858) 576-0219

Web: <http://www.deepsea.com> • e-mail: info@deepsea.com

Rev. 12/29/99