



# *SeaLaser*<sup>™</sup> 100

**SMALL, LIGHTWEIGHT  
& LOW COST**

**<5 mW 635 nm**

**BEAM IS PRECISELY  
ALIGNED TO HOUSING  
BARREL**

**ENSURES CAMERA OR  
LIGHT ALIGNMENT;  
ALLOWS OBJECT  
SCALING USING PAIR**



The *SeaLaser*<sup>™</sup> 100 is a low cost, lightweight underwater scaling, rangefinding, and aiming device that utilizes a high quality solid state laser diode module. It can be used in pairs or arrays of parallel-aligned beams to determine sizes/scale of viewed objects. Used in an array of three parallel plus one oblique (four total) it can determine zoom lens focal length setting as well.

The *SeaLaser*<sup>™</sup> 100 is good to 5-8 meters range. The beam's sharp focus distance is a standard factory-set 10 feet (3.3m). An internal power regulation board allows operation to 30 volts DC and protects the laser diode from most voltage transients, and is internally fused. This is important for applications using long cables or those that might have switching transients. It has a scratch resistant SAR optical port.

NOTE: The usable range is a function of ambient light levels, water conditions, and camera sensitivity.

# SeaLaser™ 100 Specifications

## MECHANICAL

Housing Material: Acetal plastic (Delrin)  
Port: SAR Acrylic  
Length: 15.24 cm (6.0 in.) excluding connector  
Diameter: 3.0 cm (1.2 in.)  
Weight in Air: 227 g laser only, 300 g with bracket  
Weight in Water: 67 g laser only, 140 g with bracket  
Other: Mounting bracket included

## LASER

Type: Semi-conductor laser diode Class III-A (635 nm)  
Beam Diameter: 1.8 mm x 0.5 mm  
Wavelength: 635 nm (<5 mW)  
Beam Divergence: 0.09 mRadians x 0.19 mRadians  
Power: <5mW (635 nm)  
Beam Alignment: Beam runout 5 cm at 10 meters max.

## ELECTRICAL

Voltage: 7-30 VDC

## ENVIRONMENTAL

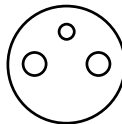
Depth: 2,000 meters (6,500 feet)

## OTHER

Option: Beam focus distance

## ELECTRICAL

Pin-out:



BH2MP  
1 = Ground  
2 = Power



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*Specifications subject to change without notice*