

Underwater Lasers

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A.G.O.'s compact underwater lasers are designed to be used by divers and on small ROVs or drop camera systems. They are suitable for inspection and surveys in both fresh and salt-water environments. [Contact us](#) with your requirements.

Laser penetration is limited by water conditions. Under ideal waters off the coast of Thailand, a commercial diver illuminated a target with one of our green lasers 230 ft away! Class 3R lasers have much better penetration than Class 2 and green lasers have better penetration than red lasers within each class.

A.G.O.'s lasers are tested to operate at 2 degrees Celcius, but all lasers begin to lose power below 5 degrees Celcius. Caution: consistent operation below 5 degrees Celcius is not guaranteed.

The S2000BL and S2000CL lasers use the optional brackets and mounts also available for the S2000 underwater lights and cameras.



S2000BL Underwater Laser (AA battery powered version)

- 532 nm, green lasers, Class IIIA (IEC 60825-1 Class 3R), power output: <5 milliwatt or
- 630-680 nm, red lasers, Class IIIA (IEC 60825-1 Class 3R), power output: <5 milliwatt
- 2.0" diameter, stainless steel pressure case designed for easy opening to exchange batteries
- sealed underwater rotary switch easily manipulated while wearing drysuit or other bulky gloves
- battery life varies with temperature and batteries used; typical battery life is 2-4 hours of constant use with "AA" batteries (2 hours alkaline, 4 hours lithium primary)
- tested to 200 meters
- beam divergence < 1.2 mrad

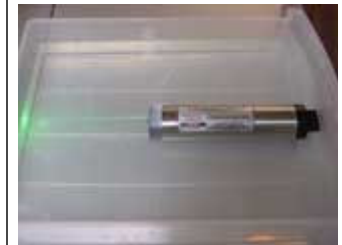
Models available:

S2000BLR Battery powered red laser
S2000BLG-D Battery powered green laser - dot output
S2000BLG-L Battery powered green laser - line output

All models are available in -LP low power versions rated at < 1 mW to meet HSE regulations in some countries (Class II / IEC 60825-1 Class 2)

S2000CL Underwater Laser (bulkhead / inline connector version)

- 532 nm, green lasers, Class IIIA (IEC 60825-1 Class 3R), power output: <5 milliwatt or



- 630-680 nm, red lasers, Class IIIA (IEC 60825-1 Class 3R), power output: <5 milliwatt
- 1.5" diameter stainless steel pressure case
- switching power supply, requires 12-24 VDC input
- LSG-2-BCL bulkhead connector (other connectors available on special order)
- tested to 200 meters
- deep-water version available, rated to 3000m, 2" diameter anodized aluminum housing, external battery packs are available
- beam divergence < 2 mrad

Models available:

S2000CLR Cable power red laser

S2000CLG-D Cable power green laser - dot output

S2000CLG-L Cable power green laser - line output

All models are available in -LP low power versions rated at < 1 mW to meet HSE regulations in some countries (Class II / IEC 60825-1 Class 2)

All models are available in -DP 3000m rated deep water versions, with anodized aluminum housings

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