



## SUBSEA LASERS

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The STR range of subsea laser pointers and line generators are designed to meet all underwater measurement and identification tasks. A variety of colours, beam patterns and power levels are available, including red & green pointers, line & cross generators from 1 to 60mW. Mounting bracket options are also available for the creation of larger arrays. Our latest models are offered within a compact 6000m depth rated anodised aluminium housing with sapphire viewport for maximum robustness.

### KEY FEATURES

- STR SeaCross Green Laser Cross Generator
- STR SeaLine Green Laser Line Generator
- STR SeaDot Green Laser Pointer
- STR SeaDot Red Laser Pointer
- 3000m or 6000m Depth Rating
- 8-30V DC Input
- Internal Thermal Protection
- Long Lifespan

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## Power Input:

**STR SeaDot Red Laser Pointer:** 8 – 30VDC  
(30mA @ 24VDC)

**STR SeaDot Green Laser Pointer:** 8 – 30VDC  
(60mA @ 24VDC)

**STR SeaLine Green Laser Line Generator**  
**STR SeaCross Green Laser Cross Generator** 8 – 30VDC  
(160mA @ 24VDC)

**Fault Protection:** Reverse polarity input protection  
with self reset fuse

## Depth Rating:

3000m or 6000m

## Type:

**STR SeaDot Red Laser Pointer**  
2 x Class II Safety Classification  
(<1 mW output)

**STR SeaDot Green Laser Pointer**  
2 x Class 3R Safety Classification  
(<5 mW output)

**STR SeaLine Green Laser Line Generator**  
**STR SeaCross Green Laser Cross Generator**  
2 x Class 3B Safety Classification  
(30mW output)

## Beam Shape:

**STR SeaDot Red and Green Laser Pointer**  
Elliptical (Approx. 6mm red dot output)

**STR SeaLine Green Laser Line Generator**  
60° Line / 90° Line / 30° Cross

## Beam Divergence:

**STR SeaDot Red Laser Pointer** 0.75mrad

**STR SeaDot Green Laser Pointer** 0.2mrad

**STR SeaLine Green Laser Line Generator**  
0.25mrad single axis

## Wavelength:

**STR SeaDot Red Laser Pointer** 650nm

**STR SeaDot Green Laser Pointer** 520nm

**STR SeaLine Green Laser Line Generator**  
**STR SeaCross Green Laser Cross Generator** 520nm

## Temperature Range:

-10°C to 40°C

## Housing Material:

**3000m:** Black anodised aluminium & acrylic lens

**6000m:** Silver anodised aluminium & sapphire lens

## Dimensions:

**3000m:** 205L x34D Body,  
38D Max (mm) + connector

**6000m:** 155L x30D Body,  
35D Max (mm) + connector

## Weight:

**3000m:** 360g/130g (air/water)

**6000m:** 260g/130g (air/water)

## Connector:

Subconn MCBH2M

## Control:

Internal Thermal Protection @45°C /  
TTL&PWM Options

All information contained in this brochure may be subject to change without prior notice.

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