



SeaStripe

ROV/AUV Laser

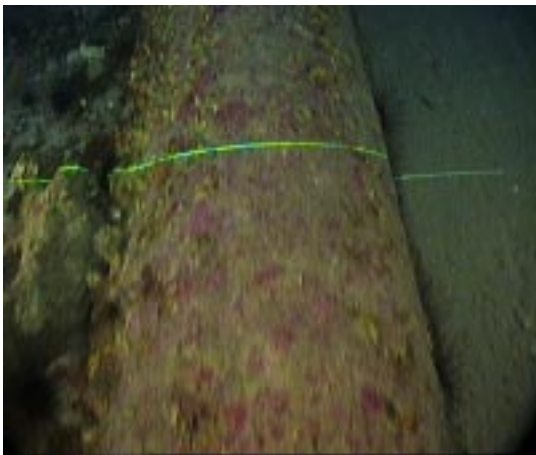
The all new Tritech SeaStripe is a compact, solid state deep sea laser projector.

It is designed to dramatically enhance the range of ROV and AUV video systems.

As well as extending viewing range SeaStripe also facilitates subsea metrology, something conventional vehicle lighting is unable to do.

The 532nm laser generates very uniform and sharp structured lighting - ideal for use as a subsea reference tool.

Other options include customised optics to project reference grid patterns onto surfaces for investigation.



LASER RADIATION
DO NOT STARE INTO BEAM OR VIEW
DIRECTLY WITH OPTICAL INSTRUMENTS
CLASS 3A LASER PRODUCT

Features

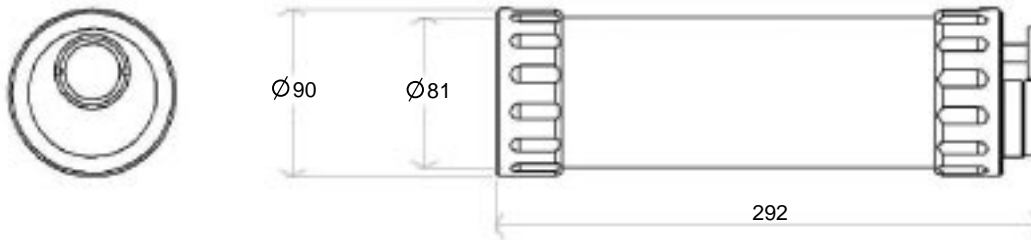
- ❑ Optimised for seawater penetration
- ❑ Wide angle projector
- ❑ Uniform line intensity with sharp cut-off
- ❑ 4000m depth rated.
- ❑ Compact and robust solid state system

Applications in conjunction with video

- ❑ High definition recognition of surface details - detection of cracks, corrosion pits etc
- ❑ Damage analysis
- ❑ Accurate reference tool to assist measurements
- ❑ Data fusion by precise correlation of acoustic and SeaStripe data

Tritech SeaStripe

Specification



All measurements in mm

| | |
|----------------------------|---------------------------------------------------------------|
| Laser specification | Class IIIA, 20 mW at 532 nm wavelength |
| | Stripe width at 5 m - 1 mm |
| | Swath angle 60 deg, with intensity variation of <3% |
| Start up time | 1 minute |
| Power | 22-28 V @ 1 A (on start-up) |
| | 0.35 A (post warm-up) |
| Dimensions | 292 mm x 90 mm diam |
| Weight in air | 2.2 kg |
| Weight in water | 0.4 kg |
| Depth rating | 4000 m |
| Connector type | Standard Tritech Connector |

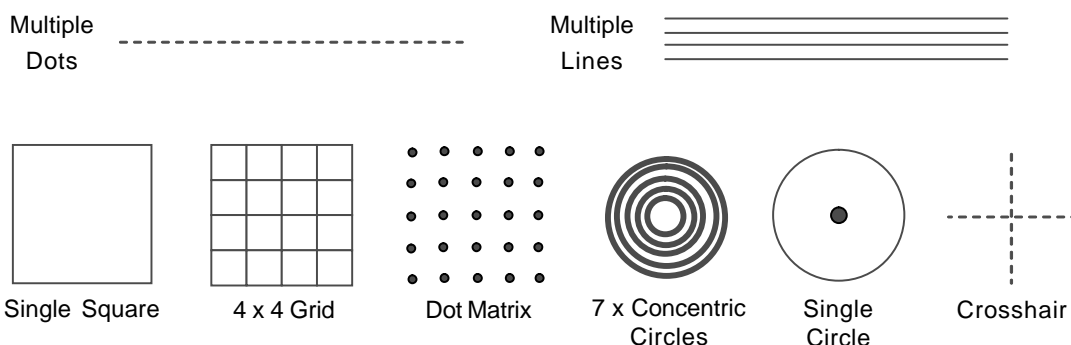
Options

StripeAnalyser software

Polarising kit for camera to increase detection range

Alternative pattern generating optics - see examples below:

Alternative optical patterns available



All specifications are subject to change in line with Tritech's policy of continual product development.

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