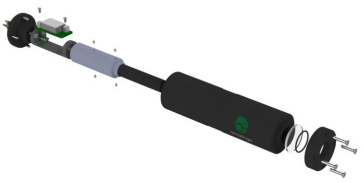
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Deepwater laser

Spot or line optical marker

PURPOSE

Spot or line optical marker



The laser projects a visible green spot or line onto a subsea object. It is installed alongside a camera or other inspection equipment. The marker identifies an area in the image and can form part of an agreed optical scaling system.

The cylindrical housing facilitates mounting on a bracket or inspection frame. The design uses hard-anodised aluminium alloy and sapphire glass. A 110° angle is specified for the line version; other options are agreed when ordering.

Price
On request

Manufacturing lead time
On request

PARAMETERS

Technical specifications

Final configuration and operating conditions are agreed in the technical specification.

Parameter	Value
Operating water temperature	−2…+35 °C
Permissible operating depth, m	1000
Length, mm	240
Diameter, mm	54
Green wavelength, nm	520 – 532
Laser module power, mW	100 (up to 300 by agreement)
Beam projection type	Line, spot
Line projection angle	110° (other options available)
Maximum mass, kg	1,2

> The laser alone does not determine distance or object size. Measurement requires calibration and an appropriate processing

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system.

APPLICATIONS

From task to operation.

Visual targeting

Marking a selected surface area in the inspection camera image.

Optical scaling

Operation in a calibrated system with defined laser and camera geometry.

Line projection

Highlighting a surface profile with a thin line as part of a measurement system.