



January 2016

UNDERWATER FLASHGUN

- **Automatic/Manual operation**
- **Flash output controlled by OE14-408**
- **Beam function controlled by OE14-408**

The Kongsberg Maritime OE11-442 Underwater Flashgun has been designed specifically for use with Kongsberg Maritime's OE14-408 Underwater Digital Stills Camera. When under control of the OE14-408 the variable power feature can be used allowing the exposure to be increased or decreased by a 1/3 of a stop up to a maximum of +2 stops and a minimum of -2 stops.

In Auto Mode the OE11-442 will fire if ambient illumination is not sufficient. The flash can be turned off if the use of external lighting together with the flash would result in an unnatural exposure.

Fill Flash can be activated to fire even when external lighting is sufficient.

Slow Synchronisation can be activated thereby allowing greater background detail to be captured.

The flashgun head zooms in sympathy with the OE14-408 lens permitting a wider camera to subject range.

The OE11-442 can be used in Manual Mode with any other camera when the flash will fire at full power unless the camera has a compatible TTL output.

Applications

- Underwater Digital Stills
- E-TTL Control from OE14-408 Camera
- Camera Zoom Functions controls Flash AOV/Range

TECHNICAL SPECIFICATIONS

Electrical

Power	17-24V dc (4.1A max surge current over 2.5micro seconds)
Light Output	80Ws maximum
Flash Recycle Time	7 seconds from fully discharged

Mechanical (4,500 msw Model)

Dimensions	Diameter: 101mm (Main Body) Length: 230mm (excl. connector)
Weight	3.6Kg in Air, 1.6Kg in Water
Housing	Titanium alloy 6AL/4V ASTM B834
Connector	8 pin Burton 5506-1608

Environmental

Water Depth	4,500 msw as standard (1,500 and 6,000 msw options available)
Temperature	Operating: -5°C to +35°C in Water Storage: -20°C to +60°C
Shock	30G peak acceleration, 25mS half sine duration, on all three axes
Vibration	10g, 20-150Hz, on all three axes
Electro-Magnetic Compatibility	BS EN 61000-6-3 2007 Emission and BS EN 61000-6-1 2007 Immunity

Specifications subject to change without any further notice

OE11442_Datasheet_US / Rev.B

KONGSBERG MARITIME

Telephone: +44 1224 226500

E-mail sales: km.camsales.uk@kongsberg.com

E-mail support: km.camsupport.uk@kongsberg.com

www.km.kongsberg.com



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