

ST6K

Underwater Emergency Xenon Strobe



underwater **vision** specialists

Features

- 6,000 Metre Depth Rated
- High Intensity
- Pressure Switch
- Daylight Switch
- Long and Short Housing
- Remote Head



Description

The Bowtech Products ST6K, Xenon submersible strobes are self-contained, compact, high intensity xenon beacons, designed for use as a visual aid to locate submersible vehicles or instrumentation packages when they surface for recovery. They can also be used to mark underwater objects, vehicles, divers or work sites.

The high intensity Xenon gas discharge lamp has a maximum power rating of 0.3 watt seconds and can be seen from up to 4 miles away, depending upon atmospheric and wave conditions, observer's height, and frequency setting of the strobe. Underwater viewing distances vary, depending upon the water clarity.

The ST6K is available in several different configurations, with a choice of on/off switches, housing sizes and remote flash heads.

There are also different lamp colour options available.



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Specification – ST6K

ELECTRICAL

Flash Rate, Adjustable:	40, 25, 18, 15 / min, Factory set at 15 / min
Max Flash Energy:	3.38 Emax/Ws
Tube Life:	>1 million flashes
Photocell:	Adjustable, Factory set at 100 Lux
Battery Type:	Long Housing: 4 x C Cell Alkaline (1.5V) Short Housing: 2 x C Cell Lithium (3.6V)
Battery Life:	Long Housing: 100 hrs Approx. at 15 / min 37 hrs Approx. at 40 / min Short Housing: 90 hrs Approx. at 15 / min 33 hrs Approx. at 40 / min

ENVIRONMENTAL

Operating Rating:	6,000m
Operating Temperature:	-30 to +50°C
Housing Material:	Hard Anodised Aluminium

MECHANICAL

Weight: (ST5K-LPHS)	1,163g in Air, 750g in Water
Switches:	Pressure Activated Below 10m, Hand On/Off, Photocell, 100 Lux (adjustable)
Anode:	Zinc
Dimensions:	Diameter 38.00mm

SWITCHES

Photocell - A Photocell is included in each strobe, to turn the unit off and conserve battery life during daylight hours. The photocell is factory set to activate at approximately 100 Lux, however this level can be adjusted by the user according to operational requirement. Additionally, the photocell switch can be disabled to allow continuous operation.

Pressure - The pressure switch is designed to turn the unit on or off, when the depth exceeds approximately 10 meters. Factory setting is off underwater and on, on the surface.

Hand - The hand switch is designed to be used in conjunction with the pressure switch. The hand switch is operated by turning the cam 90°, to press against the diaphragm of the pressure switch.

HOUSING



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Long and short housing options are available. The long housing incorporates the electronics and 4 C cell alkaline 1.5V batteries. The short housing incorporates the electronics and 2 C cell Lithium 3.6V batteries. (Battery life is reduced by approximately 10% with the short housing.)

REMOTE HEAD

A remote head option is available, where the xenon tube with its acrylic housing, is separated from the main housing by a 1 metre cable assembly. This option allows the user to position the head in confined places.

PART NUMBER

ST6K- \emptyset $\emptyset\emptyset$ \emptyset

→ S Standard Head
→ R Remote Head

→ OO No switches
→ PO Pressure Switch only
→ PH Pressure & Hand Switch

→ L Long Housing
→ S Short Housing

