

# ST6K

## Underwater Emergency Xenon Strobe

The Teledyne Bowtech 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. The strobes are battery powered as standard with the option of 12-24Vdc input in the short housing.

There are also different lamp colour options available.



### PRODUCT FEATURES

- 6000m depth rated
- High intensity
- Pressure switch
- Daylight switch
- Long and short housing
- Remote head



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### TECHNICAL SPECIFICATIONS

Electrical	Flash Rate, adjustable	40, 25, 18, 15 / min, Factory set at 15 / min
	Max Flash Energy	3.38 Emax/Ws
Environmental	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
	Connector (24Vdc option)	MCBH Micro Wetcon
Mechanical	Depth Rating	6000m
	Operating Temperature	-30°C to +50°C
	Housing Material	Hard Anodised Aluminium
Mechanical	Weight (ST6K-LPHS)	1163g in Air, 750g in Water
	Switches	Pressure Activated Below 10m, Hand On/Off, Photocell, 100 Lux (adjustable)
	Anode	Zinc
	Dimensions	38mm diameter

### 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 90o, to press against the diaphragm of the pressure switch.

**12-24Vdc** - This option allows the user to power the unit directly from a 12-24Vdc power supply. This option is not available with either the pressure or hand switch.

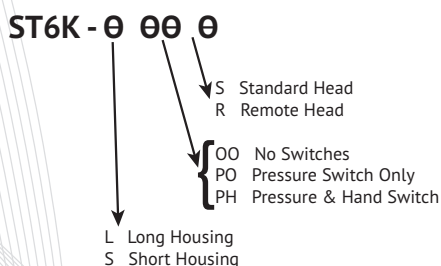
### HOUSING

The strobe itself is self-contained in its underwater, hard black, anodised aluminium housing. The housing consists of two parts - a cylindrical can and end plate.

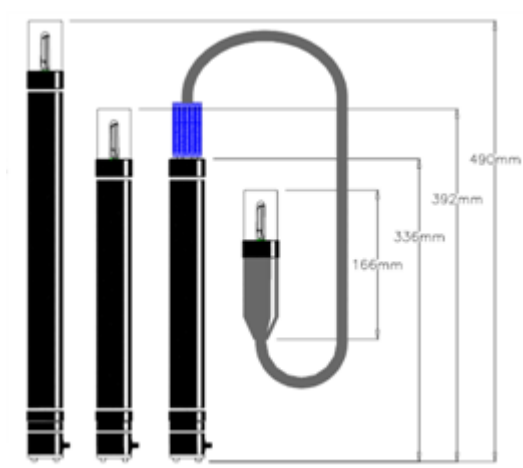
### REMOTE HEAD

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

### PART NUMBER



**24Vdc option: ST6K-SOOS-I4**



Specifications subject to change without notice.  
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