



ST5K Underwater Emergency Xenon Strobe

**5000m Depth Rated
(6000m option)**

High Intensity

Pressure Switch

Daylight Switch

Tilt Switch

Long Housing

Short Housing

Remote Head

Coloured Options Available

The ST5K 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 transmissivity, wave conditions, observers height, and frequency setting of the strobe. Underwater viewing distances vary depending upon the water clarity

The ST5K 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.



ST5K Xenon Strobe

SPECIFICATIONS

Electrical

Flash rate, adjustable	40, 25, 18, 15 / min Factory set at 15/min
Max Intensity	2 watt seconds
Tube Life	
Photocell	
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 hours Short housing 90 hours
At factory setting of 15°C	

Mechanical

Depth rating	5000 metres (or 6000 metres option)
Operating temperature	-30°C to +50°C
Housing	Hard Anodised Aluminium
Weight (ST5K-LPHS)	1163g in air 750g in water
Switches	Pressure activated below 10m Hand on/off Photocell, 100lux (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

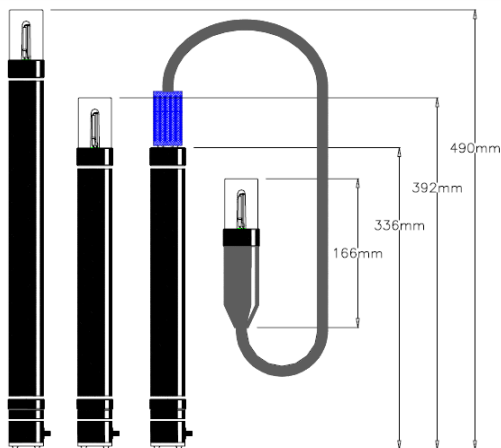
The hand switch is designed to be used in conjunction with the pressure switch. The hand switch is operated by turning the cam 90 degrees to press against the diaphragm of the pressure switch

Housing

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 meter cable assembly. This option allows the user to position the head in confined places



Part Number

ST5K	Ø	Ø	Ø	
			S	Standard Head
			R	Remote Head
		OO		No switches
		PO		Pressure Switch only
		PH		Pressure & Hand Switch
	L			Long Housing
	S			Short Housing



Howe Moss Crescent, Dyce, Aberdeen, AB21 0GN, Tel: +44 (0)1224 772345, Fax: +44 (0)1224 772900,
Email: bowtech@bowtech.co.uk, Web: www.bowtech.co.uk