



SUBMERSIBLE MARKER STROBE WITH PRESSURE CUTOFF

MODEL 106SUB – mini case

Construction. External components are PVC, polycarbonate, and 300 series stainless steel. The light is 25 cm (9 1/2 in.) in diameter and 28 cm (11 in.) in overall length. Weight in air is 4.5 kg (10 lb.) and buoyancy in water is approximately 1 kg (2 lb.). Depth rating is 200 meters (650 ft.).

Battery pack and endurance. The battery pack is constructed from alkaline “C” cells. One pack is supplied with each light. Replacement packs can be easily made up by the end user (directions included) or ordered from Brightwaters. Endurance of a fresh battery pack is 25-30 hours continuous “on” time at the default flash rate. Battery drain is negligible when the strobe is shut down by pressure, light, or external magnet.

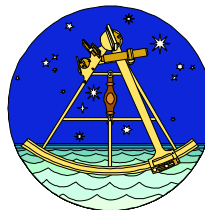
Note: Use of strobes in certain marine areas is subject to regulation. It is the responsibility of the end user to determine the legality of use of the Model 106SUB in their particular situation. The 106SUB is **not** certified as a navigational or safety aid.

Summary Description. The Brightwaters Model 106SUB is an economical submersible strobe marker light with pressure cutoff. Designed for estuarine and continental shelf applications, it is typically used to assist in the relocation of submerged equipment returning to the surface. The mini case form factor is self-buoyant and self-righting, allowing attachment to moored equipment via a simple tagline. The 106SUB is particularly applicable to pop-up retrieval systems, as the light is small enough to be fitted into many line buckets.

Flash characteristics. The flash is a white xenon strobe visible for over 2 miles at night. Rate is adjustable, default is one flash every 5 seconds.

Controls. A pressure switch cuts the strobe off at a predetermined depth as the equipment is submerged and restarts the strobe as the equipment rises. Factory default is shutdown at 6 meters increasing, restart at 4 meters decreasing. An external shutdown magnet is included to deactivate the strobe during extended periods on deck. If desired, a photocell can be added to shut the strobe off during daylight.

Brightwaters Instrument Corporation, founded in 1990, designs and builds affordable semicustom and full custom scientific and oceanographic equipment for governments, universities, and the private sector.



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