

Model 3883 Auto-Exposure Vehicle Strobe



The Ocean Imaging Systems Model 3883 Vehicle Strobe provides either externally powered or self-contained rechargeable underwater strobe capabilities for use in attended (ROV or tow sled) or autonomous (via external programmer or bottom-contact switch) applications for both shallow (2000 meter) and deep (6000 meter) still-imaging applications.

The strobe provides 100WS flash energy with recycle time as fast as 3 second. The 3883 exposure quench circuitry permits use with the through-the-lens (TTL) exposure monitoring found on select digital camera such as the OIS Model 4400 Digital Still Camera or other cameras using Nikon's strobe sync. The strobe can also be used as a normal flash with non-TTL-capable film and digital cameras.



Internally Powered RH Version

Both integral and remote-head versions are available for either shallow or deep-water applications.

Separation of the flash head from the strobe electronics in the remote-head version permits its installation at any point on the vehicle.



Externally Powered Version

OIS Model 3883 Auto-Exposure Vehicle Strobe Specifications

Flash Tube Energy:	100 Watt-seconds
Flash Duration:	Approximately 1 msec.
Recycle Time:	3 seconds intermittent, 7 seconds continuous
Number of Flashes:	Internally powered option - up to 400 per charge
Power:	24Vdc, 4A peak (externally powered option) or removable and rechargeable Ni-Cad battery
Safety:	Internal thermal and low voltage protection and safety interlock
Connector:	4-pin Impulse IESQM-4 (externally powered) or 5-pin Impulse LPBH-5-FS (internally powered) 4-pin bulkhead, Seacon VSG-4-BCL for remote head version only (to flash head)

Mechanical

Dimensions:	Externally Powered - 5 inches (12.7 cm) diameter, 5.9 inches (15.1 cm) long Internally Powered - 5 inches (12.7 cm) diameter, 17 inches (43.2cm) long, excluding connector. Reflector diameter - 10 inches (25.4 cm). Remote head version reduces length to 11 inches (27.9cm), excluding connectors
Weight:	18 lbs (8.2 kg) in air, 8.5 lbs (3.9kg) in water (standard housing); 35 lbs (16kg) in air, 26 lbs (12kg) in water (stainless housing)
Depth Rating:	675 meters (shallow), 2000 meters (standard), 6000 meter (deep)
Housing Materials:	Delrin (675 meter), anodized aluminum (2000 meter), stainless steel (6000 meter version), Titanium available for extended deployments

Remote Flash Head

Length:	8.1 inches (20.5 cm) plus connector
Diameter:	3.5 inches (8.9 cm) excluding reflector
Connector:	4-pin bulkhead, Seacon XSG-4-BCL
Weight:	In air: 4 lbs (1.8kg), in water: 2.25 lbs (1.1kg)
Interconnect:	12 feet (3.6m) long, RMG-4-FS to VMG-4-FS



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Specifications subject to change without notice