

SEWARD SWORD LASER

Model: SWT-LR-6000 SWT-MLR-6000



A stable laser scale reference for ROVs, submersibles, and deep-sea observation systems, designed for underwater measurement and imaging calibration.

Laser Pattern

Dot / Line

Wavelength

Red 650 nm / Green 520 nm

Output Power

30 mW / 300 mW

Applications

- * ROV Visual Inspection
- * Underwater Target Measurement
- * Subsea Structure Inspection
- * Imaging Calibration

Key Features

- * Dot / Line Laser Projection
- * Sapphire Optical Window
- * Compact ROV Integration
- * Stable Visual Scale Reference

SWORD LASER



Parameter	Standard Laser Scaler	Mini Laser Scaler
Wavelength	520 nm / 650 nm	520 nm / 650 nm
Laser Power	30 mW	30 mW
Input Power	24 VDC, 12–36 VDC, ≥ 0.6 W	24 VDC, 12–32 VDC, ≥ 0.4 W
Laser Pattern	Dot / Line	Dot / Line
Dimensions	Approx. 150 mm L x 48 mm Dia.	Approx. 118.39 mm L x 22 mm Dia.
Weight	In air: approx. 1.1 kg / In water: approx. 0.5 kg	In air: approx. 0.20 kg / In water: approx. 0.12 kg
Housing Material	Stainless Steel	Stainless Steel
Optical Window	Sapphire	Sapphire
Connector	Subconn Micro 3–pin Male, MCBH3M	Subconn Micro 3–pin Male, MCBH3M
Working Depth	6,000 m	6,000 m
Test Pressure	66 MPa	60 MPa
Operating Temperature	-10°C to 40°C	-10°C to 40°C

Connector Pinout

SOCKET PIN	DEFINITION	NOTE
1	24VDC	12 ~ 36VDC ($P_{min} \geq 0.6W$)
2	GND	
3	NC	



Mechanical Drawing

