



# SWL-15XX-MC



## DEVICE

# 15XX nm Swept Wavelength Laser Module

## OVERVIEW

The Optilab SWL-15XX-MC laser source module unit provides fast continuous wavelength sweeping, driven by an electrical ramp voltage input, and contains a fast tunable laser source with control electronics. Specifically designed for FBG fiber sensor interrogation applications, the versatile SWL-15XX-MC is available with spectral tuning of up to 10 nm. SWL-15XX-R is also available in a rackmount housing. Contact Optilab for more information.

## FEATURES

- Wide Sweeping Range up to 10 nm
- High Speed : 100 kHz
- RS-485 Interface for Status Monitoring
- Internal Trigger and External Trigger

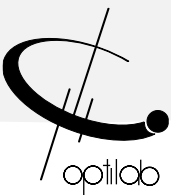
## USE IN

- FBG sensing
- Laboratory testing & measurement
- OCT application
- Fiber optic component qualification
- Variable wavelength laser source

## ORDERING OPTIONS

### SWL-15XX-MC

15XX Wavelength: 1540 / 1550 / 1558 / 1566 nm





# SWL-15XX-MC

## SPECIFICATIONS

### OPTICAL

Laser Linewidth	300 MHz typ.
Side Mode Suppression Ratio	40 dB typ.
Fiber Type	SMF-28
Optical Connectors	FC/APC

### WIDE SWEEPING WAVELENGTH RANGE

Spectral Tuning Range	10 nm typ.
Output Power	1 mW typ.
Scanning Speed	100kHz (Max)

### ELECTRICAL

Sweep Voltage Input	+3.3V CMOS
Voltage Input Connector	SMA Female

### MECHANICAL

Operating Temperature	-10°C to +60°C
Storage Temperature	-50°C to +70°C
Display	LCD Display and Control
Remote Control	USB or RS-485 for laser control & status monitoring
Dimensions	280 mm x 150 mm x 45 mm
Power Supply	110V or 220 VAC

