

# OPM-50/SLS-50 Intelligent Optical Loss Test Suite



OPM-50 and SLS-50 feature Automatic Wavelength Identification, Remote Reference Value setting and backlight display, ideal for optical attenuation and loss measurements, continuity verification and fiber link evaluation in various test environments.

## Features

- ◆ Automatic Wavelength Identification  
SLS-50 can send encrypted signal to OPM-50 which can automatically identify the wavelength and switch to the corresponding test mode
- ◆ Remote Reference Value Setting  
SLS-50 can send the power parameters of its digital-encrypted signal to OPM-50 as reference for precise link loss measurement even the two units are far apart.
- ◆ FTTx Applicable
- ◆ USB Power Charging
- ◆ Backlight
- ◆ Pocketsize, Lightweight and Easy-to-Use



## OPM-50 Intelligent Optical Power Meter

- ◆ No warm-up, quick start
- ◆ Internal clock & fiber SN editable  
Internal clock enables OPM-50 to save test data with time and editable fiber SN info
- ◆ Memory of 1000 test records
- ◆ Data transfer to PC via USB
- ◆ 70 hours continuous operation
- ◆ CE FCC certificates



## SLS-50 Intelligent Stabilized Laser Source

- ◆ Automatic wavelength switch  
User can select the working wavelength and SLS-50 will automatically toggle between working wavelengths.
- ◆ 6dB adjustable power output range  
Output power can be adjusted at minimum 0.01dB/step within a range of 6dB (NA at 650nm)
- ◆ Output power display
- ◆ Over 40 hours continuous operation
- ◆ CE FCC FDA certificates

## Specifications

Model	OPM-50		Model	SLS-50				
	A	B		A	B	V	X	
CAL Wavelength	850,1300,1310,1490,1550,1625nm		Wavelength ( $\pm 20$ nm)	1310/1550	850/1300	1310/1490 /1550	650/1310 /1550	1310/1550 /1625
Power Range <sup>(1)</sup>	-70~+10 dBm	-50~+27 dBm	Spectrum Width	$\leq 5$ nm				
Accuracy	$\pm 5\% \pm 0.01$ nW ( $\pm 0.5$ dB@850nm)	$\pm 5\% \pm 1$ nW ( $\pm 0.5$ dB@850nm)	Output Power	$\geq 3$ dBm@650nm; $\geq -3$ dBm@850/1300/1310/1490/1550/1625nm				
Resolution (dB)	0.01		Power Stability	$\pm 0.05$ dB/15min; $\pm 0.15$ dB/8hr@850/1300nm; $\pm 0.10$ dB/8hr@1310/1490/1550/1625nm				
MOD Identification	270,1K,2K Hz		Output Mode	CW, 1Hz@650nm; CW,270Hz,1KHz,2KHz@850/1300/1310/1490/1550/1625nm				
Auto Wavelength Identification	Yes (With SLS-50)		Adjustment Range	6dB (NA at 650nm)				
Display Unit	W/mW/ $\mu$ W/nW/pW/dBm/dB(REF)		Adjustable Steps	0.01/0.1/1dB				
Data Storage	1000 records		Auto Wavelength Identification	Yes (With OPM-50)				
Connectivity	USB		Output Power Display	Yes				
Detector Type	InGaAs		Emitter Type	FP-LD@650,850,1300,1310,1550nm; DFB-LD@1490/1625nm				
Connector	FC (Interchangeable SC/ST)		Connector	FC/PC (Interchangeable SC, ST)				



### General Specifications

Power Supply	Lithium Battery/AC Adapter
Battery Life	Continuous operation: OPM-50:70 hrs; SLS-50:40 hrs; Standby: OPM/SLS:140 hrs
Weight	315g (0.69 lbs)
Dimensions (H×W×T)	177×80×44mm (6.97×3.15×1.73 inch)

**Note:** (1) At 850nm, the lower limit of measurement range is -60dBm(Model A) / -40dBm(Model B).

OPM models with  $\phi$  1000 $\mu$ m detector are available with FC/SC/ST/DIN/E2000/LC/Universal 1.25mm/Universal 2.5mm connectors.

\*Specifications subject to change without notice