

LM series Optical Multimeter

Description

LM series Optical Multimeter, integrates an optical power meter, a laser source and a visual locator, is an ideal instrument used to test power, loss, continuity and faults on fiber optic systems.

Features

Auto-wavelengths recognition, Auto power-off, Back-light
Integrated with visual fault locator



Specification

Model #		LM-2TD	LM-2CD	LM-2TP	LM-2CP
OPM	Measuring Range(dBm)	+10 ~ -70dBm	+ 26 ~ - 50dBm	+10 ~ -70dBm	+ 26 ~ - 50dBm
	Display Precision	0.01dB			
	Calibration	850/1300/1310/1550/1490/1625 (nm)			
	Detector Type	In GaAs			
	Display Units	dB/dBm/mW/uW			
	Connector	FC/ SC/ ST/ Universal			
	ACCURACY	±5%±1nW			
	Wavelength Recognition	1310/1490/1550 (input power≥-40dBm)			
	Tone Detection	270Hz/1KHz/2KHz (input power≥-40dBm)			
WLS	Output Wavelength	1310/1550nm		1310/1490/1550nm	
	Connector	fixed FC/PC (interchangeable FC/SC/ST customized)			
	Modulation Frequencies	270Hz/1KHz/2KHz			
	CW output power (dBm)	-5dBm ±0.5dB			
	Output Stability	±0.1dB@1310/1550nm; ±0.15dB@1490nm			
Power Supply		2 * AA Batteries; AC/DC Adapter			
Operating Temperature		-10°C~+50°C			
Storage Temperature		-20°C~+70°C			
Dimension &. Weight		160×58×32 mm (L×W×H); 160g			
Standard Accessories:					
FC/PC &. SC/PC adapter, carrying bag, Manual					

Operation:



NO	KEY	Function
1	> 2s LED	Switches instrument on/off.Long key press Over 2 Seconds while powering on is to activate the instrument without Auto-off function. Switches backlighting on/off
2	REF > 2s SET	Short key press to display reference level of present test wavelength. Long key press to set a new reference level of preset test wavelength.
3	λ / > 2s AWI	Short key press selects measurement wavelengths. Long key press SELECTS measurement AWI
4	dBm/mW	Switches measurement units among dBm,dB and mw
5	ON/OFF	Switches instrument on/off.Long key press Over 2 Seconds while powering on is to activate the instrument without Auto-off function
6	λ	Short key press selects measurement wavelengths.
7	HZ > 2s AWI	Modulated Wavelength Shifting Key:Switches modulated wavelength and continuous wavelength Long key press Selects AWI

LCD:



BACK:



Maintenance:

- 1、 please disconnect the AC adapter/charger and cover the protective dust cap once you finish using.
2. It is a good idea to clean the connector and the instrument when they get dirty through use.Optical cleaning Pads and anhydrous alcohol is recommended.And Please be careful not to get the detergent inside the instrument.
3. To ensure the measurement accuracy,please send the instrument to Service Center for calibration once a year.

User self calibration:

- 1、 Open state At the same time Press the " λ " and "dBm/dB/mw" keys, Long key press Over 2 Seconds while
 - 2、 Press the "dBm/dB/mw" keys +0.1dBm; Press the "REF" keys -0.1dBm; If the calibration is correct Press the switchkey to restart , Restore normal test state.
- (Note: use the fiber to connect with optical power meter to calibrate the value until getting the desired value for calibration)