

OPM/LS/Multimeter series



Summary

OPM/LS/Multimeter series products use high sensitivity detector, single chip microprocessor control. The body shape is novel, the design meets the requirements of human body function, which is beautiful and durable. Optical Power Meter and Visible Fault Location adopt embedded detector and laser, which can be well protected.

Optical Power Meter/Laser Source, RJ45 Sequence and flashlight are standard configuration.Visible Fault Location, RJ45 Tracking and Bluetooth are optional. They are mainly used for continuous optical signal power measurement, optical fiber link loss test and optical fiber line on-off test. They are widely used in optical cable construction and maintenance, optical fiber communication, optical cable sensing, optical CATV and other fields.

Note: 1) the functions of the instrument are different due to different models; ^②Due to the need of design improvement, the contents are subject to change without notice.





Icons

According to different functions and specific operations, the corresponding icons will appear in the interface. When an icon appears, it means that the corresponding function has been opened or the corresponding operation has been completed.

- 🕁 Automatic shutdown, in the set time without any 🦉 🖾 Time, display the local time operation, the instrument automatically shut down
- RJ45 Tracking, long press to enter the digital hunting mode, and the mark will be displayed at the bottom of the screen (optional)
- RJ45 Sequence,Long press b to enter line alignment mode, the mark will be displayed at the bottom of the screen
- 🖥 Flashlight, turn on the LED light
- ─ VFL, long press durn on red light(optional)
- Battery, indicating battery capacity
- ⊁ Bluetooth, connect to mobile phone
- Save completed, indicating that the test results have been saved

ОРМ The interface displays wavelength, absolute power, frequency, decision result and so on. REF/▲: Press to switch between the < Rel.power + Ref.power > and <Lin.power + Abs. power > ひ 17:10 (000) display modes. Long press to set the current power as the reference value and enter the Rel.power + Ref.power > display mode.

▼/SAVE:Long press to save the current power. The save icon is displayed in the upper part and disappears after 1 second.

Short press to view the saved results, and press again to exit.

 λ key: Short press to switch wavelengths (including user-defined wavelengths). Long press to enter wavelength ID identification mode, and long press again to exit.

In ID mode, if the wavelength is not recognized, it displays"----nm"; if the TWINS mode is recognized, it will display TWINS, and the wavelength will change with the change of the detected wavelength.

The units of Absolute Power, Relative Power and Linear Power are dBm、dB、mW/nW. The conversion relationship is as follows:PAbs.power=10LgPLin.power/1mW PRel.power=PAbs.power-PRef.power

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▶ \blacktriangleleft : Press ▶ and \blacktriangleleft for 1s at the same time, to enter the user calibration mode, the left side of the second line displays Cal, the second line displays the current power, the third line displays the calibration value, press \blacktriangle and \bigstar to adjust the calibration value, press the λ key to switch wavelength.

Press ▶and ◀ for 1s at the same time, to save and exit the calibration mode. Press MENU not to save and exit the calibration mode.

Note: The calibration and adjustment range of the power meter is from -6dBm to +6dBm.







Note: When there are 1000 pieces of data saved, the interface will display "FULL" when saving again. It is recommended to export the data in time and delete the internal data of the instrument, otherwise it cannot continue to save.



1. Install the serial port driver and the upper computer program according to the instructions, connect the computer to the instrument with the USB cable, and the instrument must be kept on.

 Double-click "LcdOpmApp.exe" to open the software, after entering the software, click to open the serial port, click refresh, the instrument saved data

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is displayed on the right, click Delete all to delete all saved data. Click Export data to export the Excel table. Click the language drop-down box to switch the display language.

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W-TIOTP-500	0.								_ 5
COM SOURCE SETTINGS			CORD # N	WAVE LENGTH	LINEAR POWER	ABSOLUTE POWER	FREQUENCY	DATE/TIME	
Corn port	COM3		- 6	1550(nm)	12.009(#10)	-49.205(dbm)	CW	2023-06-22 23:44:45	
aud rate	9600	. 3	1	1550(nm)	12.05(nW)	-49.19(d8m)	CW	2023-00-22 23:44:47	
ata bits									
arity bits	0								
op bits	i.								
٠	CLOSE								
INCTIONS									
Total Record	Count 3								
REFRESHVIMPORT									
	DELETE ALL								
	EXPORT DATA								
		1							

interface displays wavelength, frequency, بن uation value and so on.



IN: 10

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	LS	Others			
Maxia la se atta	850/1300±20nm	Display	Black and white broken code screen display		
wavelength	1310/1490/1550±20nm	Power Supply	Rechargeable Li-battery;1500mAh		
Output power	≤-5dBm	Automatic	10min/30min/60min/120min		
Power regulation range	0~6dB	shutdown time			
Power regulation step	1dB	Battery duration	≥24h		
Working mode	CW/270Hz/330Hz/	Operating temperature	-10°C~+50°C		
working mode	1kHz/2kHz/ID/TWINS	Storage temperature	-40°C~+70°C		
Stability	+0.2dB/15min(After 15	Relative humidity	0~95% No condensation		
Stability	minutes of preheating)	Weight	About 235g		
Optical connector	FC/SC	Dimensions	140mmX32mmx73mm		

Maintenance

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Clean connectors

The optical output interfaces must be kept clean during use. When the test result is not accurate, first consider cleaning the connector.

When cleaning, be sure to turn off OPM and VFL function. Wipe the connection end face with a swab wetted with alcohol.

At the same time, please cover the dust cap after using the instrument, and keep the dust-proof clean at the same time.