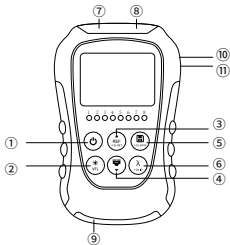


Appearance and button function description



- ① :Short press to turn on, short press to control the flashlight light on and off in the boot state, long press to shut down.
- ② :Short press to control the display backlight on and off; long press to turn on the red light, turn on after the red light, long press to turn off the red light, short press to switch the red light status in sequence: 1Hz/2Hz/close.
- ③ :Short press to switch between <reference power REF dBm+relative power dB> and <linear power mW+absolute power dBm> display modes; long press this button to set the current power as the reference power and enter the <reference power REF dBm+relative power dB> display mode.
- ④ :Short press to control the on and off of the network cable line sequence measurement function, and the interface will display icon; long press to enter the network cable hunting mode interface display icon, in hunt mode, short press to exit hunt mode. (Note: The hunt function needs to be used with the hunt remote, which is an optional accessory)
- ⑤ : Short press to enter the save and view interface, short press again to exit the save and view interface; long press to save the current power in the optical power meter mode, the display

will display the SAVE character and the NO. Serial number icon for 1s, where the number displayed after NO. is the serial number of the current saved value, and a total of 500 pieces of data can be saved.

⑥ : Short press to switch wavelength; long press to enter wavelength ID identification mode, long press again to exit wavelength ID identification mode. After entering the wavelength ID mode, if the wavelength ID is not recognized, the long display position shows ---"nm". If the TWINS mode wavelength ID is received, the interface will display TWINS characters (note: need to be used with our company's light source with wavelength ID function, other Ordinary light sources without wavelength ID function cannot be identified.)

⑦:OPM port ⑧:VFL port ⑨:RJ45 port ⑩ Type-C port

⑪:Charging indicator light (charging version: light on during charging, light off when fully charged)

Threshold setting:

Press the both buttons simultaneously for 1 second to enter the threshold setting mode, and the display will display THR characters, The third line shows the current threshold, use and press the button to adjust the threshold, step 0.01dBm, long press these 2 buttons to quickly increase or decrease the current threshold. Short save and exit threshold setting mode, press press 2 keys for 1s without saving and exit the threshold setting mode.

Save data view:

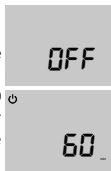
Short press to enter the saved data viewing mode, if there is no saved data, the interface will display ---, short press and key toggle save entry press the two buttons at the same time for 1s and the display will display the DEL character, indicating whether to delete all data, short confirm to delete all saved data, the DEL character disappears, enter the saved data view interface, if the DEL character is displayed, short



press do not delete the data and return to the saved data viewing interface.Short press again return to optical power measurement mode.

Automatic shutdown time setting:

Press and hold while briefly pressing or during startup to enter the automatic shutdown setting mode., and the following states can be set: automatic shutdown (OFF displayed on the interface)/10 minutes/30 minutes/60 minutes, etc. After selecting the corresponding setting, release the power button to start the machine.



User Calibration Mode:

:Press these two buttons simultaneously for 1 second to enter the user calibration mode, the left side of the second line displays the CAL character, the second line displays the calibration value, and the third line displays the current power, press press the key to adjust the calibration value, and press to switch the wavelength. and then press press the button for 1s to exit the calibration mode without saving, short press save to exit calibration mode,save and exit calibration mode, with a power adjustment range of ± 6 dB.



Reset:

Press and hold both buttons simultaneously for 1 second to enter restore to factory mode; short press to exit the restore mode Factory mode, short press the machine to restore factory settings Set, all segments of the display will be fully displayed for 0.5s and then return to normal optical power measurement mode;



Optical power meter version function:

- 1) 10 wavelength power measurement:
1310/1550/1490/1625/1650/850/1300/980/1270/1577nm;
- 2) Reference: reference power can be set, relative power display;
- 3) Frequency identification: 270Hz/330Hz/1KHz/2KHz;
- 4) Save data: 500 pieces;
- 5) Wavelength ID identification: 1310/1550/1490/850/1300nm and other wavelengths can be identified, TWINS mode identification;
- 6) Threshold judgment: PASS/FAIL icon display, threshold can be set;
- 7) Flashlight;
- 8) The automatic shutdown time can be set: off/10/30/60 minutes;
- 9) User self-calibration support;
- 10) Network cable-to-wire test: 8 LEDs correspond to the display;
- 11) Network cable search test: with a cable search device;(optional)
- 12) Red light: 2mW/10mW/30mW/50mW. (optional)

Common Troubleshooting Solutions

Fault hint	Possible reasons	Settlement
LCD display is weak	Insufficient power supply	Replace Battery
Boot-up cannot be displayed	Insufficient power supply or other	Reboot or replace batteries
Abnormal optical power values	Joint failure, dirty	Reconnect Connector and Clean Sensor

Configuration list

No.	Name	Quantity	Remarks
1	Host	1	
2	instruction manual	1	
3	certificate of conformity	1	
4	Sling	1	
5	AAA battery	2	Dry battery selected
6	Lithium battery	1	Lithium battery selected
7	Line finder	1	With RJ45 Cable Tracking function
8	VFL ceramic core	1	With VFL function

Technical specifications

OPM			
Wave range	800nm~1700nm		
Connector	Universal		
Detector type	InGaAs		
Power range	-70dBm~+6dBm	-70dBm~+10dBm	-50dBm~+26dBm
Uncertainty	±5%		
Standard wave	850/980/1270/1300/1310/1490/1550/1577/1625/1650nm		
Display resolution	Linear display:0.1%, Logarithmic display:0.01 dBm		
Identified frequency	CW, 270Hz, 330Hz, 1kHz, 2kHz		
Storage	Support		
Wavelength recognition	Support		
VFL(optional)			
Wavelength	650nm±30nm		
Output power	2mW/10mW/30mW/50mW		
Mode	CW/1Hz/2Hz		
Connector	Universal		
RJ45 Cable Sequence(standard), RJ45 Cable Tracking (optional)			
Test Range	≤300m		
Others			
Power Supply	2 AAA batteries/Lithium batteries: 3.7V/700mAh		
Interface	Type-C(+5V,1A)		
Battery duration	≥ 120h(OPM)		
Automatic shutdown time	OFF/10/30/60min		
Operating temperature	-10°C~+50°C		
Storage temperature	-40°C~+70°C		
Relative humidity	0~95% No condensation		
Dimensions	127mmx78mm x30mm		
Weight	About 200g		

Certificate
of Quality

QC: 011

Optical Multi Meter Series Instructions

