Optical Power Meter Visual Fault Locator

Model:ATM-200 Series

Description:

This instrument is a new type of Optical power meter, which uses a 0.96 inch OLED, a 128X64 resolution liquid crystal display, and uses a built-in 500mAh rechargeable lithium battery for power supply. The charging port is a Type C interface, which conforms to the Type C standard. It is small in design, easy to carry in construction, and has a total weight of 50g. It has 1000 pieces of data storage. It supports users to view data and users to correct themselves, and also supports the upper computer to export data and the upper computer to correct. The mW value and dBm value are displayed simultaneously, facilitating the needs of different users. Red light source output power optional: 2mW/5mW/10mW/20mW/30mW/50mW.

Features:

- OLED display screen, visible under strong light
- 500mAh rechargeable lithium battery
- Type C charging port
- Users can calibrate and correct themselves
- With 1000 data storage spaces
- With upper computer software, data can be exported
- User set memory (wavelength, unit memory)
- Display both mW and dBm values simultaneously

*Warning: Do not look directly when the red light is turned on !

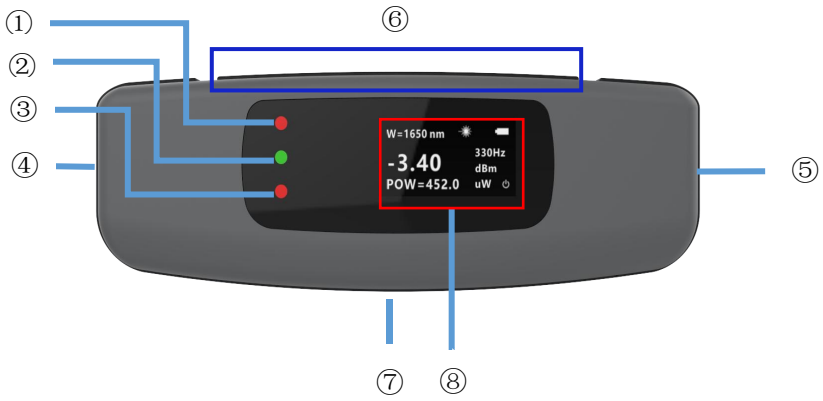
Indicator parameters:

Optical power meter		
Measuring range	A	C
	+10~-70dBm	+26~-50dBm
Wavelength	800nm~1700nm	
Connector	Universal	
Detector Type	InGaAs	
Uncertainty	5%	
Calibrate wavelength	850/1300/1310/1490/1550/1625/1650 nm	
Resolution	mW/uW：0.1% ， dBm/dB：0.01dBm	
Recognizable frequency	CW、270Hz、330Hz、1kHz、2kHz	

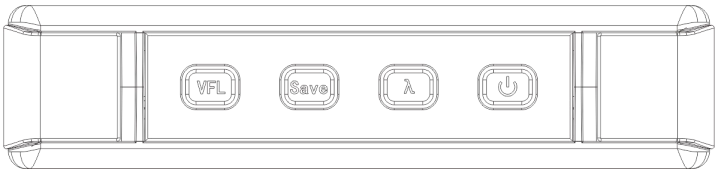
Memory	1000（Includes: wavelength, power value, frequency, unit）
User correction method	1：key operation 2：Set through PC software
Visual fault locator（VFL）	
Wavelength	650±30nm
Output power	2mW/5mW/10mW/20mW/50mW (Default:10mW)
Mode	CW/2Hz
Connector	Universal
Machine parameters	
LCD	OLED white light (resolution: 128x64), visible under strong light
Power	3.7V/500mAh Lithium battery
Charging interface	Type C
Operating time	>16 hours（Only Power meter operation）
Auto off time	10 minutes
Operation temperature	-10~+50℃
Storage temperature	-40~+60℃(*Lithium batteries are not suitable for long-term high-temperature storage)
Relative humidity	0~95%（No condensation）
Size/weight	**98X33X23mm /50g**

Introduction of machine:

①：VFL indicator light
②：Power indicator light
③：Charging indicator light：
On: charging state；
Off: Not charging or fully charged
④：VFL port
⑤：OPM port
⑥：Keys
⑦: USB port（Type C）: Data communication, charging
⑧：LCD



Key operation instructions:



1.Power key：

Short press to power on, power saving mode on, 10 minutes of no button operation, automatic shutdown; Long press the power on button to cancel the power saving mode, and it will not automatically shut down until the battery level is low; In startup mode, short press the power button to switch to

2. **λ Key：**

1）Short press to switch wavelength: 850~1650nm cyclic switching.

2）Long press for 2 seconds to switch unit: mW/dBm/dB cycle switching.

3）When the unit displays dB, press and hold for 4 seconds to set the reference value and set the current power value to the REF value.

3. SAVE Key：

1）Short press: Enter data viewing mode

2）Long press for 2 seconds to save the current power value, wavelength, frequency, and displayed units. When saving data, the screen will dim as a prompt

3）In view data mode：

Short press the SAVE button, scroll forward to view a set of data, short press λ, Looking back at a set of data;

4.VFL Key：

Short press to cycle to switch red light source mode: CW/2Hz/off.

5.User correction

1）Short press first λ Press the button to switch to the wavelength that needs to be corrected.

2）Short press the SAVE button to enter data viewing mode (note: if no data has been saved, it will not be possible to enter, and you can save a set of data at will).

3）Long press the VFL button to enter data correction mode; The bottom line of the screen displays: Cor=xxxdB, indicating that the correction mode has been entered.

4）After entering, you can use: λ The buttons and SAVE buttons automatically add or subtract correction, with each correction step of 0.05dB.

5）After completing the correction, exit the correction mode by long pressing the VFL button.

6）Please do not illegally power off. All setting data needs to be saved during normal shutdown.

Ordering Information:

Model	Measuring range	VFL output power
ATM-200	A(-70~+10dBm)	2-2mW
	C(-50~+26dBm)	5-5mW
		10-10mW
		20-20mW
		30-30mW
		50-50mW

For example: ATM-200-A-2