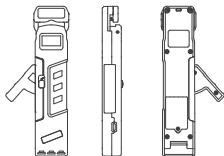




Optical Fiber Identifier

User Manual

Overview



The optical fiber identifier uses macro-bending technology to perform non-destructive testing on optical fibers. It can accurately identify the fiber link at any point without interrupting services, detect the presence of optical signals in the fiber, and measure the optical power and signal direction. It is commonly used for fiber tracing or isolating a specific fiber during maintenance, installation, and cabling.

Product Features

- ◆ Suitable for 2mm/3mm/900um/250um fibers
- ◆ Detects optical signal strength and direction in the fiber
- ◆ Detects optical signal carrier frequencies: 270Hz/330Hz/1kHz/2kHz
- ◆ High-definition OEL display, usable in dim environments without auxiliary lighting
- ◆ High test sensitivity
- ◆ Ergonomic grip clamp for comfortable long-term use
- ◆ Switchable between buzzer mode and vibration mode
- ◆ Built-in lithium battery with low power consumption
- ◆ Compatible with various fiber types without changing clamps; power calibrated via software
- ◆ Optional wavelength division measurement for 1490nm and 1577nm power
- ◆ Standard VFL function with 2.5mm universal interface
- ◆ VFL with timer switch and stepless power adjustment for energy saving and environmental protection

Power On/Off



Short press this button to power on,
long press to power off.

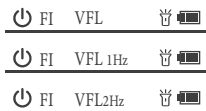
Flashlight



Press this button briefly to turn the flashlight on or off while the device is powered on. The display shows the flashlight status synchronously.



VFL



Press this button briefly while the device is powered on to switch the red light status.

(Constant on / 1Hz flashing / 2Hz flashing / Off)
(The current working status of the red light is displayed on the screen.)

Menu Bar Icon Description

Identifier Mode — FI

Wavelength Division Power Meter Mode — OLT

Power Meter Mode — OPM

Setting Mode — SET

Current Working Mode

Flashlight Off (Empty)

Flashlight On

Flashlight Status



Auto Power-off Icon

VFL Status

Battery Power
Current Battery
Power

Auto Power-off Disabled (Empty)

Red Light Off (Empty)

10min Auto Power-off Display

Red Light Constant On VFL

30min Auto Power-off Display

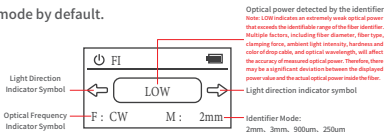
1Hz Flashing VFL1Hz

60min Auto Power-off Display

2Hz Flashing VFL2Hz

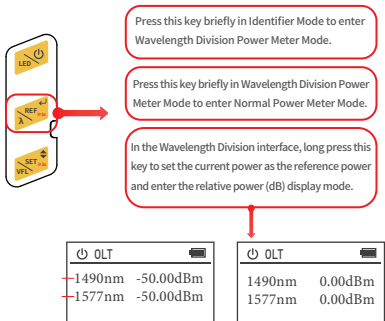
Optical Fiber Identifier

After power-on, the device enters the Optical Fiber Identifier mode by default.

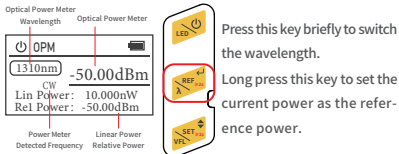


Wavelength Division Power Meter

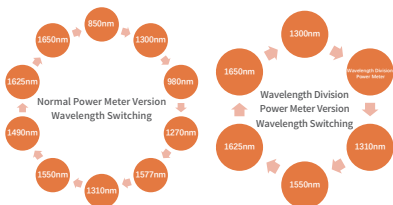
(This page is available on models with wavelength division function)



OPM



Power Meter Wavelength Switching



Settings



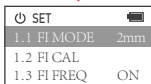
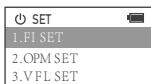
Short press this key to enter the current setting item.

In Identifier Mode and Power Meter Mode, long press this key to enter the setting mode.

In setting mode, short press this key to switch settings:

1. Identifier Settings
2. Power Meter Settings
3. Red Light Settings
4. System Settings
5. Save and Exit

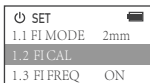
Identifier Settings



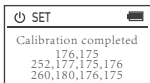
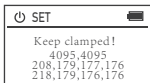
Switch FI mode:2mm/3mm/900um/250um
Note: FI stands for Fiber Identifier.
The calibration conditions for these 4 modes are 1550 nm wavelength, 2 mm and 3 mm optical fibers in yellow jacket, 900µm white tight-buffered optical fiber, and 250µm bare fiber (G.652). Low ambient temperature, different cladding colors or hardened cladding of the fiber will affect the test results.



Fi frequency identification mode on/off



Save and exit the settings page.

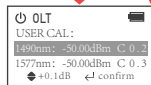


Optical Power Meter Settings



If equipped with wavelength division optical power meter function.

If there is no wavelength division optical power meter function.



Short press to adjust the value.
(Long press for fast increment.)

Switch Wavelength

Step: 1 dB



Save and exit the settings page.



Short press to adjust the value.
(Long press for fast increment.)

Switch Wavelength

Step: 0.1 dB

VFL Settings



Set start time and off time.
Step: 1 minute
Range: 1-60 minutes
After selecting "Start", timing begins.
Red light turns on and off automatically at the set times.
After clicking Start, a red light timing icon will be displayed at the top.



These two keys adjust values and switch the setting item.

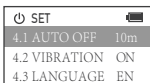


Short press this key to adjust the red light output power percentage.
Adjustable range: 0%-100%
(Long press for quick adjustment.)



Save and exit the settings page.

System Settings



Switch setting items



Switch setting items



Auto Power-off: 10m/30m/1h/Off

Vibration Mode: Off/On

Language: Chinese/EN

Factory Reset



Save and exit the settings page.

Daily Maintenance

1. When using the fiber identifier, ensure the fiber under test is correctly placed in the clamp groove and must not be bent. Do not touch both sides of the clamp with hands or other objects.
2. Keep the detectors on both sides of the clamp clean, and regularly clean the detector surfaces with cleaning solution. Remove the batteries if the device will not be used for a long time.

Quality Assurance

We do not recommend users to repair the fiber identifier by themselves.

1. We warrant the product against defects in workmanship and quality for 18 calendar months from the date of receipt by the user. If the purchased product is found to have quality problems within this period, we will repair or replace it accordingly. In no event shall our liability exceed the purchase price of the product.
2. If the instrument malfunctions during use and cannot be resolved following the troubleshooting guide, do not open the casing without authorization. Please contact us directly.
3. We are responsible for free repair or replacement of the product for failures caused by product defects.

Note: This warranty applies only to the instrument under normal use. We provide free repair or replacement for failures caused by defects in product quality or materials under normal use without damage.

We reserve the right to refuse warranty service in case of accidents, improper use, or unauthorized disassembly and repair.

Warning

Any changes or modifications not expressly permitted by this manual will void your authority to operate this equipment. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. To prevent electric shock, do not open the enclosure. Repairs must be performed by qualified personnel only.

Note

Since the laser beam of this device is harmful to eyes, do not attempt to disassemble the casing or look directly into the laser output port.



Warranty Instructions

Dear Customer,

Thank you very much for purchasing our product. You will enjoy the after-sales service provided by our company during future use. Please keep this card properly!

The warranty terms are as follows:

1.The main unit and its included accessories (excluding flanges, data cables, and instrument bag) are under warranty for months from the original date of purchase.

2.If the product malfunctions under normal use during the warranty period, please present this warranty card to our company for free repair.

3.Within the free warranty period, we reserve the right to refuse service or charge for materials and service fees under any of the following conditions:

- Product failure or damage caused by improper use;
- Battery leakage, sharp scratches, breakage, etc., caused by human factors;
- The faulty product or components have been disassembled, modified, or repaired without authorization;
- Product labels and serial numbers are unclear, damaged, or altered;
- Failure or damage caused by improper transportation or external condition changes (e.g., sudden voltage surge);
- Water or other liquid ingress into the device due to improper storage environment, resulting in damage;
- Failure or damage caused by force majeure.

Model			Product No.		
Product Name			Purchase Date		
Customer	Company				
	Contact Person		Email		
	Telephone		WeChat		
	Address				
Seller	Company				
	Contact Person		Email		
	Telephone		WeChat		
	Address				
Date of Repair Service	Fault Description	Cause of Fault	Processing Result	Inspection Date	Service Personnel Signature