

Summary

Optical fiber identifier is used to detect signal direction and approximate power at any position of SM and MM link. During the maintenance, installation and wiring, it is often necessary to find and separate a specific optical fiber without interrupting the service. 1310nm or 1550nm with modulation (270Hz/1kHz/2kHz) is injected into the optical fiber at one end, and the identifier is used to identify it on the link.

Macro bend test: the weak optical signal is revealed when the optical fiber is bent, and the direction and intensity of the optical signal are detected by judging the direction and intensity of the leakage. It can directly detect 0.25mm bare optical fiber, 0.9mm tight sleeve optical fiber and 3mm jumper without damaging optical fiber and interrupting communication.

VFL: the red light source is 2mW, which is used to find fault points of 5km (laboratory value) link.

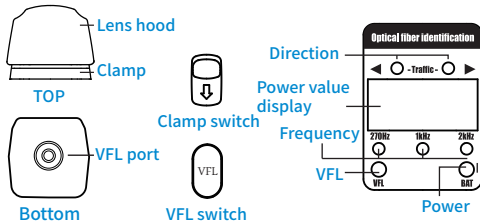
Low battery monitoring: when the battery is low, a yellow or red prompt will be sent to remind the user to replace the battery to avoid interruption of use.

Note: the version of the manual is subject to change without notice.

Product features

- ◆ The direction and frequency of light can be identified without cutting off the optical fiber.
- ◆ The "push to talk" operation mode is adopted to make the operation simple and convenient.
- ◆ No need to replace the adapter for bare optical fiber/pigtail
- ◆ The approximate optical power value of the measured optical fiber can be displayed
- ◆ It can identify three common signal frequencies: 2kHz/1kHz/270Hz.

Instructions



- ◆ Clamp: Place the optical fiber and keep it clamped.
- ◆ Indicator: include signal direction, frequency, battery power and VFL indicator light.

1. Clamp clamping and loosening

- (1) When it is necessary to clamp the optical fiber, pull the switch to clamp the optical fiber.
- (2) Release the optical fiber: release the clamp switch, and the clamp will automatically recover under the elastic force of the spring to release the optical fiber.

2. Power on / off

- (1) Pull down the clamp switch, the identifier start .
- (2) Release the clamp switch, the identifier shut down.

3. Optical fiber identification

- (1) Put the optical fiber into the clamp groove, pull the clamp switch down and put on the lens hood.
- (2) If there is signal, the left and right direction lights display the signal direction, and the nixie tube displays its power value.
- (3) If there is no signal, it displays "LO", and the direction display light may flash left and right or go out. When the optical fiber is not clamped, the direction indicators may also flash left and right.
- (4) When the signal frequency is 270Hz, 1kHz and 2kHz, the corresponding indicator light will be on, accompanied by a peak ringing echo (when the signal is too weak, it will not be recognized correctly).

4. Turn on / off VFL

(1) In any mode, short press the VFL button to turn on the red light output, the red light indicator lights up accordingly, and then short press again to switch between 1Hz, 2Hz flashing, off and other states. Press the long red button to turn on the VFL.

5. Quantity of electricity

- (1) Green power indicator: the power is sufficient.
- (2) Yellow indicator: the battery is about to run out, and the identifier can still work normally, but the battery should be replaced.
- (3) Red indicator: low power, the battery must be replaced.

Specifications

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Optical fiber identifier	
Identified wavelength range	800~1700nm
Detector type	InGaAs
Adapter type	Φ0.25mm (for bare fiber) /Φ0.9mm/ Φ2.0mm/Φ3.0mm
Identified frequency	CW/270Hz/1kHz/2kHz
Signal direction show	Left & Light LED
Signal direction detection range	-48~+10dBm -50~+10dBm
Signal frequency show	270Hz, 1kHz, 2kHz
Frequency detection range (Average value)	Φ0.9, Φ2.0, Φ3.0 -25~+10dBm Φ0.25 -10~+10dBm
Insertion loss (Typ.)	0.8dB(1310nm)
	2.5dB(1550nm)
VFL	
Wavelength	650nm±20nm
Output power	≥2mW
Connector	Universal joint
Mode	CW/1Hz/2Hz
Others	
Alkaline battery	9V
Operating temperature	-10°C~+50°C
Storage temperature	-40°C~+70°C
Dimension	195mm×30mm×27mm
Weight	200g

Standard configuration

Optical fiber identifier host, battery, user's manual, certificate / after-sales service warranty card, soft bag

Daily maintenance

- 1.The optical fiber to be tested shall be correctly placed in the groove of the fixture and shall not be bent.
2. Keep the detectors on both sides of the clamp clean, If no use for a long time, please take out the battery.

Quality assurance

- 1.The warranty period is within 18 months from the date of receiving the goods; When the purchased products are found to have quality problems during this period, our company will deal with or replace them, but in any case, our responsibility will not exceed the purchase value of the products.
- 2.If there are problems in the use of the instrument, which cannot be solved according to the common fault prompt scheme, the user shall not open the casing without authorization. Please contact our company.
3. For the failure caused by product defects, our company is responsible for repairing or replacing the product free of charge.

Warranty Ordinance

To protect your legal rights and interests, and to improve customer service, we will carefully read and welcome your valuable opinions and suggestions.

1. This product is free of charge for 18 months from the date of purchase, exceeding the warranty period. If it exceeds the warranty period, it will be regarded as a failure and the cost of spare parts and accessories will be charged.

2.During the warranty period, the company has the right to refuse the warranty service and charge the original repair fee and service fee at its discretion in case of the following circumstances:

- A: Improper or incorrect operation;
B: Burning accident caused by lightning strike or improper installation;
C: The label is damaged or the equipment is disassembled without authorization for maintenance.
3. Please pack and transport the repaired products properly. Our company will not be responsible for any damage or loss during the transportation.
4. Please read the product manual carefully before using the company's products.

Product Model				Product Number	
Product Name				Purchase Date	
Customer	Company				
	Contact			Email	
	Phone Number			WeChat	
	Address				
Vendor	Company				
	Contact			Email	
	Phone Number			WeChat	
	Address				
Repair Date	Fault Description	Failure Cause	Processing Result	Date of Inspection	Maintainer

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Certificate

Certificate of Quality

Inspector:012

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Optical Fiber Identifier

User's Manual

