

OFI-50A Optical Fiber Identifier Operations Guide

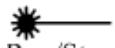
Buttons



Long press: Turn on and off the power of the meter. Short press: When the meter is turned on, switch on the auto power off. When the auto power off is turned on, the word "Auto off" will be displayed on the upper right of the LCD, and the meter will be automatically turned off 10 minutes later.



Gain adjustment, increase 1 level, gain range: 1x~16x



Run/Stop

Run/Stop test: corresponding to the upper left LCD display

VFL

Red light switch. When the red light source is turned on, VLS has red light output, VFL words above the LCE become red.



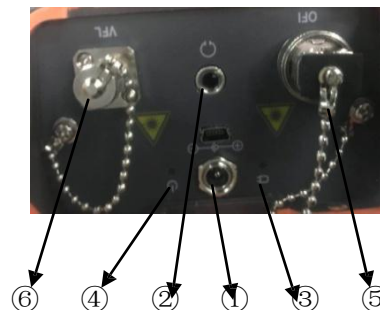
Gain adjustment, reduce 1 level, gain range: 1x~16x

Disp

Mode switch, used to switch waveform display and intelligent mode, corresponding to "Wave" and "Auto" word above LCD.

Top of the Optical Fiber Identifier

- ① Charging port
- ② Monitor port (earphone)
- ③ Charging indicator
- ④ Power on indicator
- ⑤ Test port



⑥ VFL port

Operating Steps

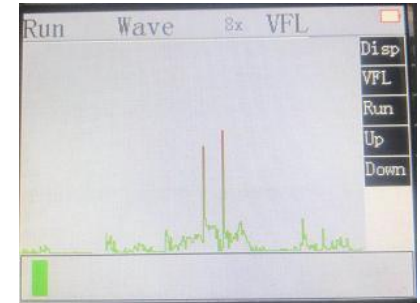
1. Connect the optical fiber with the test port of the meter, then power on.



2. Press Run/Stop to turn on the laser source

(The laser light source is on and the screen displays RUN);

3. Talk to the assistant who is assisting at the remote end. The assistant should regularly tap the cable. When there are many cables affecting the test, it is best to number the cables and click in order. And pull the currently tapped cable away from other cables to minimize crosstalk. If necessary, you can use sponge towel to isolate the current knocking cable and other cables.

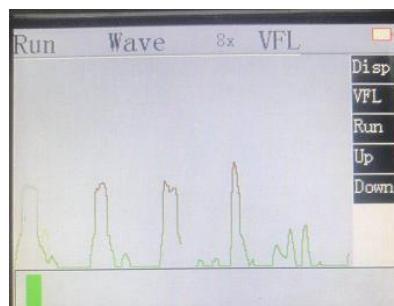


Recommend gain level and determination method:

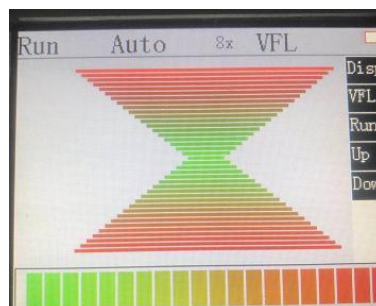
2km: 1x	5km: 3x	10km: 5x	20km: 6x
40km: 7x	50km: 8x	80km: 16x	

According to the recommended levels, the assistant clicks on the cable one by one to determine whether the gear is appropriate. Listen to the sound of the headset and observe the screen waveform or the strength of the intelligent mode to determine whether the level is appropriate. If the crosstalk is too large, press ▼ to reduce the level and continue to test. If the sensitivity is not good, press ▲ to add level and continue the test. Through this method to find the appropriate level, accurately find the fiber under test.

4. Adjust the display mode by **Disp** when testing.



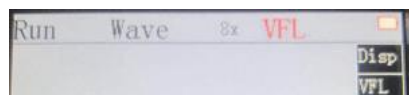
Wave Mode



Auto Mode

Cautions: Try to place the meter on a smooth floor or table when testing. Do not touch the meter. The patch cord connected with the meter shall not be suspended or shaken as far as possible.

5. Press VFL key to open the visual light source and VFL on the screen will display red



Maintenance

- ① The light port of the meter must be kept clean. It should be cleaned regularly with special alcohol. After the use of the meter, please cover the dust cap and keep the dust cover clean. Flange connector should be regularly cleaned
 - ② It is best to instrument (including battery) at room temperature (15 °C to 30 °C) to store, and placed in a dry place to make the optimal performance.
- If the meter is not used for a long time (idle for more than a month), it is best to charge the battery every other month.

Specifications

Wavelength	1550nm
Display	3.5" industrial screen
Maximum Distance	50Km
Short Troubleshooting	650 red light
Output power:	-2dB, -1dB, -0.5dB, 0dB adjustable
SNR	25dB
Interface type	SC/APC (PC, ST interchangeable)
Detection methods	single fiber testing, no loopback
Test results	1, 2, 3 real time audio waveform display, intelligent mode
Supply mode	7.4V 3500mAh battery (replaceable) 12V 2A DC power adapter
standby time	>24h (optional 10 minutes automatic shutdown)
continuous working time	>20h
Volume	220*110*70mm
The light weight	0.8kg (including battery)