

Optical Fiber Identifier



1. Overview

Optical Fiber Identifier is an important tool for optical maintenance, which is used for nondestructive fiber identification project. Meanwhile it also has Visual Fault Locator module with fault location function and power meter function..

Using the macro bending technology on line for nondestructive testing, It can measure the signal direction and power and avoid mis-operation resulting in interrupted lines.

---Macro bending measurement. Macro bends are the use of fiber-optic bending leak out when the weak optical signal, optical signal to detect the direction and intensity. Does not damage optical fiber, without interrupting communications, and direct detection of 2.5mm bare fiber, 0.9mm and 2.5mm fiber casing tight jumper.

2. Features



- * Build in 10 mW VFL function
- * Build in OPM
- * Metal gripper, no need to change the adapter
- * Low battery monitoring function
- * Tone identification, Optical Fiber Identifier can detect optical signals in the tone signal fixed load, 270Hz, 1KHz and 2KHz, to identify a specific optical fiber, can quickly find the necessary fiber.

3. Technical Specifications

Wavelength	800nm-1700nm
Pass through insertion loss:	
1. 250um / 900um optical fiber	1. 1.0dB
2. 2.0 / 3.0 optical fiber	2. 1.5dB
Application of optical fiber	250um/900um/2mm/3mm optical fiber
Identified Signal Type	270HZ/1KHZ/2KHZ
Identification of modulated signals	Yes
Power Measurement	Yes
Display	LED color screen
Tone	Yes
Low power monitoring	Yes
Detector type	1mm InGaAs

Specifications of VFL	
Wavelength:	650nm±10nm
Output Power:	10 mW
Fiber Port:	2.5 universal connector
Specifications of OPM	
Wavelength	800~1700nm
Calibration certificate	850/1300/1310/1490/1550/1625nm
Measurement range	-50~+26dBm
Connector type	2.5 universal connector
Power supply:	2*AA 1.5V Alkaline Battery
Operation Temperature:	-10°C to +50°C
Storage Temperature:	-20°C to +70°C
Outline size	230*43*36mm
weight	200g

4 . User instructions

- (1) Insert the fiber to the adapter head, push the button up to lock clamp.
- (2) When optical signal passes the fiber, the LED illuminator will indicate the traffic's direction with intermittently audible tone and the relative core power will be also displayed in digital format.
- (3) If no optical signal passes the fiber, the LED illuminator is dead and the "LO" will be displayed in the relative core power position.
- (4) Fiber identifier can also detect the presence of 2KHz, 1KHz and 270Hz modulated tone with the continuously audible tone.

4.4 Battery Power Indication

- (1) When the LED indicator is red, the battery power is full.
- (2) When the LED indicator is flicker, the power is too low and the instrument cannot work properly and you have to replace the battery.

5.Warranty and Service

Caution: Repair the tester in the field is prohibited.

18 months warranty for Optical Fiber Identifier.

We warranty that each of Optical optical fiber identifier will be free from defects in material and workmanship for 18 months. This warranty covers the original user only and is not transferable. Should the device fail at any time during this warranty period, we will, at its sole discretion, replace, repair or refund the purchase price of the product.

This warranty is limited to defects in workmanship and materials and does not cover damage from accident, neglect, contamination, mis-use or abnormal conditions of operation or handling.