OFI-20A Optical Fiber Identifier



Function Description

1 Clamp

Clamp and keep the fiber in a suitable location.

2 Clamp Pushing Button

Push the button up and press downward to fix the adapter head.

Press the button again to loosen the adapter head.

3 LED illuminator

The LED illuminator indicates the direction of traffic.

(4) Low Battery illuminator

Green: Full Battery; Orange: Low Battery which can be for current test and need to change battery; Red: Must change battery and cannot test

Selecting Adapter

1 Select the appropriate adaptor head according to the different types of fiber





2 Insert the fiber to the adapter head when using the $\emptyset 2.0$ and $\emptyset 3.0$ connectors



(3) Insert the fiber to the groove on the clamp when using the Ø900 and Ø250 connectors



<u>On/Off</u>

① Push up the "clamp pushing button" to turn on the unit

2 Loosen the "clamp pushing button" to turn off the unit

Optical Fiber Identification

Insert the fiber to the adapter head and push the button up to lock clamp.
When a CW signal passes the fiber, the LED illuminator will indicate the traffic's direction arrow and a relative core power readout will be displayed.

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 a 2KHz, 1KHz and 270Hz modulated signal. When a modulated signal is detected the appropriate signal LED will be illuminated, the LED illuminator will indicate the traffic direction arrow and relative core power readout will be displayed. In addition a pulsed audible tone will be heard.

Maintenance

- ① The fiber should be put in the groove according to the specific type.
- 2 Please use the cotton swabs to clean the detector surface regularly to keep it

from dust.

③ Please take out the battery when it is not in use for a period of time.

Technical Specifications

Model	OFI-20A	
Identified Wavelength Range	800 - 1700 nm	
Identified Signal Type	CW, 270Hz±5%, 1kHz±5%, 2kHz±5%	
Detector Type	InGaAs	
Adapter Type	Ø0.25 (Bare Fiber), Ø0.9 (Ø0.9 Cable)	
	Ø2.0 (Ø2.0 Cable), Ø3.0 (Ø3.0 Cable)	
Signal Direction	Left & Right LED indicator	
Singe Direction Test Range (CW/0.9mm bare fiber)	-40dBm~+5dBm	
Signal Power Test Range	-40dBm~+5dBm (CW/0.9mm bare fiber)	
Signal Frequency	270Hz, 1kHz, 2kHz	
Power Supply	One 9V Alkaline battery	
Frequency Test Range	Ø0.9, Ø2.0, Ø3.0	-30~0dBm (270Hz,1KHz), -25~0dBm (2KHz)
(Average Value)	Ø0.25	-25~0dBm (1KHz,2KHz), -20~0dBm (2KHz)
Insertion Loss (Typical Value)	0.8dB (1310nm), 2.5dB (1550nm)	
Operating Temperature	-10~+60°C	
Storage Temperature	-25~+70°C	
Weight & Dimensions	200g &196*30*27mm	



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Quick Reference

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