

OPTICAL FIBER IDENTIFIER

Detects Live Fiber, Direction, & Power

The Optix America optical fiber identifier with VFL and optical power meter uses macro bending technology to carry out nondestructive tests on the line. Signal direction and approximate power can be detected at any position of singlemode and multimode fibers on 250um, 900um, 2mm, and 3mm diameter fiber cables. The universal adaptor accommodates the cable diameters with no need to replace the block clamp. The built-in 10mW VFL and optical power meter can be used to find the fault point and test the optical power value of the measured optical fiber. The unit also has low battery monitoring function which signals to the user when to change the batteries



Features

- Optical fiber identifier with 10mW VFL and optical power meter
- Detects attenuation, signal direction, and approximate power associated with macrobending measurement
- Detects tone identification of optical signals at fixed frequencies of 270Hz, 1KHz and 2KHz
- Universal adapter, no need to replace the block to accommodate different cable sizes
- Built-in VFL Function with output power of 10 mW
- Built-in OPM function with multiple wavelengths
- Low Battery Monitoring Function signals when to change the batteries
- Includes soft case

Specifications

Optical Fiber Identifier	
Wave Respond	800nm~1700nm
Pass Through Insertion Loss	0.8dB (1310nm)
	2.5dB (1550nm)
Application Fiber	250um/900um/2mm/3mm optical fiber
Modulation Frequency	CW/270Hz/1KHz/2KHz
Signal Direction Identification	Left/Right LED direction indicators
Signal Direction Detection Range	-25 ~ +10dBm (1310nm); -30 ~ +10dBm (1550nm)
Signal Power Detection Range	-30 ~ +10dBm
Tone	YES

Low Power Monitoring	YES
Detector Type	1mm InGaAs
Frequency Detection Range (average power)	900um, 2mm, 3mm: -30 ~ 0dBm (270Hz/1kHz) 900um, 2mm, 3mm: -25 ~ 0dBm (2kHz) 250um: -25~0dBm (270Hz/1kHz) 250um: -20~0dBm (2kHz)
VFL	
Wavelength	650nm±10nm
VFL Output Power	10mw
Output Mode	CW, 1Hz
Adapter	2.5MM Universal (1.25MM adaptor included)
Optical Power Meter	
Wavelength	650nm±10nm
VFL Output Power	10mw
Output Mode	CW, 1Hz
Adapter	2.5MM Universal (1.25MM adaptor included)
General Parameters	
Power Supply	2*AA 1.5V Alkaline Battery
Battery Working Time	≥ 5000 times of measurements
Working Temperature	-10℃ ~ +50℃
Storage Temperature	-20℃ ~ +70℃
Dimension	230mm x 43mm x 36mm
Weight	200g

Ordering Information

Part Number	Description
OFI-28	Optical Fiber Identifier for 250um, 900um, 2mm, and 3mm fiber cable with built-in 10mW VFL and optical power meter includes user's manual, calibration certificate, and soft case