

# Mini Optical Fiber Identifier

## Detects Live Fiber, Direction, & Power

The OPTIX America mini optical fiber identifier features a compact, convenient design ideal for field use. It accurately detects attenuation, signal direction, and approximate optical power through macrobending measurement on 250µm, 900µm, 2mm, and 3mm diameter fiber cables. The unit supports tone identification at fixed frequencies of 270Hz, 1kHz, and 2 kHz, and detects both the direction and intensity of optical signals with insertion loss of less than 1dB at 1310nm and 1550nm. A bell-shaped groove fiber clamp ensures low insertion loss while preventing damage to the fiber. The identifier is powered by a built-in 500mAh lithium battery that provides up to 24 hours of operation and recharges conveniently via a Type-C interface. A universal adapter accommodates multiple fiber diameters without the need to change blocks, and the unit is supplied with a protective soft carrying case.



## Features

- Mini optical fiber identifier with a compact, convenient design for field use
- Detects attenuation, signal direction, and approximate optical power using macrobending measurement
- Compatible with 250 µm, 900 µm, 2 mm, and 3 mm diameter fiber cables
- Tone identification at fixed frequencies of 270 Hz, 1 kHz, and 2 kHz
- Detects optical signal direction and intensity with insertion loss less than 1 dB at 1310 nm and 1550 nm
- Bell-shaped groove fiber clamp ensures low insertion loss and prevents fiber damage
- Universal adapter supports multiple fiber diameters without changing blocks
- Built-in 500 mAh lithium battery provides up to 24 hours of operation
- Type-C charging interface for convenient recharging
- Includes a protective soft carrying case



## Specifications

Parameter	Value
Wave Respond	800nm~1700nm
Detector Type	1mm InGaAs
Application Fiber	250μm/900μm/2mm/3mm diameter optical fiber
Modulation Frequency	CW/270Hz/1kHz/2kHz
Signal Direction Identification	Left/Right LED direction indicators
Signal Direction Detection Range	-40 ~ +10dBm
Frequency Detection Range	≥-20dBm
Insertion loss (typical)	≤1dB (1310/1550nm)
Battery	3.7V/500mAh Lithium Battery
Battery Working Time	24 hours
Working Temperature	-10°C ~ +50°C
Storage Temperature	-20°C ~ +70°C
Size	82mm x 43mm x 29mm
Weight	90g

## Ordering Information

Part Number	Description
OFI-28M	Mini Optical Fiber Identifier for 250μm, 900μm, 2mm, and 3mm fiber cable includes user's manual, calibration certificate, and soft case