

Detects Live Fiber, Direction, & Power

The Optix America OFI-28 Optical Fiber Identifier with integrated VFL and Optical Power Meter utilizes advanced macro-bending technology to perform non-destructive live fiber detection. It enables users to identify signal presence, direction, and relative power levels at any point along singlemode or multimode fibers, supporting cable diameters of 250 μ m, 900 μ m, 2mm, and 3mm. The universal adapter design accommodates multiple fiber sizes without the need to change clamp blocks, improving efficiency in the field.

Equipped with a built-in 10mW Visual Fault Locator (VFL) and optical power meter, the OFI-28 allows for quick fault location and accurate optical power measurement on the tested fiber. Additionally, the unit features a low battery monitoring function that alerts users when battery replacement is required, ensuring reliable operation during critical tasks.



Features

- Optical fiber identifier with integrated 10mW VFL and optical power meter
- Detects signal presence, attenuation, direction, and approximate power using macrobending technology for 250 μ m, 900 μ m, 2mm, and 3mm fiber cables
- Tone detection capability at fixed frequencies of 270Hz, 1kHz, and 2kHz
- Universal adapter design eliminates the need to replace clamp blocks for different cable sizes
- Built-in VFL function with 10mW output power for quick fault location
- Integrated optical power meter supporting multiple calibrated wavelengths
- Low battery monitoring function alerts users when battery replacement is required
- Includes soft carrying case for protection and portability

Specifications

| Optical Fiber Identifier | |
|----------------------------------|---|
| Wave Respond | 800nm~1700nm |
| Pass Through Insertion Loss | 0.8dB (1310nm); 2.5dB (1550nm) |
| Application Fiber | 250 μ m/900 μ m/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 |

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| Tone | YES |
| Low Power Monitoring | YES |
| Detector Type | 1mm InGaAs |
| Frequency Detection Range (average power) | 900µm, 2mm, 3mm: -30 ~ 0dBm (270Hz/1kHz) 900µm, 2mm, 3mm: -25 ~ 0dBm (2kHz) 250µm: -25~0dBm (270Hz/1kHz) 250µm: -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 250µm, 900µm, 2mm, and 3mm fiber cable with built-in 10mW VFL and optical power meter. Includes a user's manual, calibration certificate, and soft case. |