## 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 250µm, 900µm, 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 for 250µm, 900µm, 2mm, and 3mm diameter fiber cables
- 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 10mW
- 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** | 250µm/900µm/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) | 900μm, 2mm, 3mm:  -30 ~ 0dBm (270Hz/1kHz)<br>900μm, 2mm, 3mm:  -25 ~ 0dBm (2kHz)<br>250μm: -25~0dBm (270Hz/1kHz)<br>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  user's manual, calibration certificate, and soft case |