

# OFI-30A/AT Optical Fibre Identifier

## Product Overview

The OFI-30A/AT can detect the presence, type, and direction of optical signals anywhere on the fibre during network deployment, maintenance, or troubleshooting. Utilising non-destructive macro-bend detection technology ensures no damage to the tested fibre or interference with the service.

The OFI-30A/AT Optical fibre Identifier is essential for optical maintenance, capable of non-destructive identification of both single-mode (SM) and multi-mode (MM) fibres at any location. Additionally, when used with the OFI-30A/AT Optical Signal Generator, it can inject low-frequency signals online and locate a specific fibre without modulation signals in the optical fibre network.



## Features

- ▶ Low-frequency signal online injection
- ▶ Do not interfere with the online optical fibre
- ▶ Support a variety of optical fibre diameter
- ▶ Identify the signal automatically
- ▶ Simple, free training
- ▶ Non-destructive detection
- ▶ Indication of signal presence, strength and direction
- ▶ CW/MOD tones detection
- ▶ Buzzer indication
- ▶ Digital Display relative optical power
- ▶ Detected low-frequency signal emitted of OFI-30AT
- ▶ Handheld & sturdy

## Specifications

| Model                       | OFI-30A   |
|-----------------------------|---|
| Identified Wavelength Range | 800 ~ 1700nm  |
| Detector Type               | InGaAs  |
| Adapter Type                | Ø0.25 (Applicable for Bare fibre);<br>Ø0.9 (Applicable for Ø0.9 Cable );<br>Ø2.0 (Applicable for Ø2.0 Cable );<br>Ø3.0 (Applicable for Ø3.0 Cable ) |
| Identified Signal Type(HZ)  | CW, 270, 1K, 2K   |
| Signal Direction            | Left & Right LED  |



|  |                             |            |
|--|-----------------------------|------------|
| Signal Direction                                     | Left & Right LED            |            |
| Signal Direction Test Range (dBm, CW/3mm bare fibre) | -20~+10 (1310nm)            |            |
|  | -30~+10 (1550nm)            |            |
| Signal Power Test Range (dBm, CW/3mm bare fibre)     | -30~+10                     |            |
| Signal Frequency Display (Hz)                        | 270, 1K, 2K                 |            |
| Frequency Test Range (dBm, Average Value)            | Φ0.9, Φ2.0                  | -30~0      |
|  | Φ0.9, Φ2.0                  | -25~0      |
|  | Φ3.0                        | 270Hz,1KHz |
|  | Φ3.0                        | 2KHz       |
| Frequency Test Range (dBm, Average Value)            | 0.8 (1310nm)                |            |
|  | 2.5 (1550nm)                |            |
| battery electric power display                       | Power double colour LED     |            |
| Weight (without batteries)                           | <210g                       |            |
| <b>Model</b>   | <b>OFI-30AT</b>             |            |
| Signal types   | 1Hz low-frequency signal    |            |
| Signal Mode  | Mechanical vibration        |            |
| Insertion Loss                                       | <1dB (1310nm)               |            |
| Fibre Type   | G657A1, G657A2, G655, G652D |            |
| Fibre Diameter                                       | 0.9/2/3                     |            |
| Weight (without batteries)                           | <230g                       |            |
| <b>General Specification</b>                         |                             |            |
| Alkaline Battery(V)                                  | 9V                          |            |
| Operating Temperature(°C)                            | 0~+50                       |            |
| Storage Temperature(°C)                              | -10~+70                     |            |
| Dimension (mm)                                       | 209X33X31                   |            |

\* Specifications subject to change without notice

## Ordering Information

### Standard Package

OFI-30A, OFI-30AT, User Manual, Soft Carrying case, Alkaline battery, Header\*4, Light shield

