

# Optical Fibre Identifier

V3.2

## Description

Check for live network traffic and measure relative signal power anywhere on a multimode or singlemode fibre without the need for disconnection thus avoiding any disruption to service provision. Simply place the fibre into the appropriate adapter head and by using a non-destructive macrobending technique, the OPT-OFI will detect any optical signal being transmitted without stressing and damaging the fibre itself. In the presence of any traffic a clear LED light indicates the direction of travel. Four interchangeable adapter heads are available for various fibre and cable types: 250µm, 900µm, 2mm and 3mm.

## Features

- > Easy-to-use with "ONE KEY" operation
- > Efficiently identifies the traffic direction and Displays the core power of the fibres
- > Detect frequency tone when used with tone generator (270 Hz, 1kHz, 2kHz)
- > Low bending loss and highly efficient output
- > Easy-to-replace adaptors
- > Durable metal housing and quality construction

## Technical Specifications

PARAMETER	VALUE	
Identified Wavelength Range (nm)	800-1700	
Identified Signal Type (Hz)	CW, 270 ±5%, 1k±5%, 2k ±5%	
Detector Type	1mm InGaAs 2pcs	
Adapter Type	250µm (Applicable for Bare Fiber)	
	900µm (Applicable for 0.9 Cable )	
	2mm (Applicable for 2.0 Cable )	
	3mm (Applicable for 3.0 Cable )	
Signal Direction	Left & Right LED	
Singe Direction Test Range	-46 to 10(1310nm)	
(dBm, CW/0.9mm bare fiber)	-50 to 10(1550nm)	
Signal Power Test Range	-50 to 10	
(dBm, CW/0.9mm bare fiber)		
Signal Frequency Display (Hz)	270, 1k, 2k	
Frequency Test Range (dBm, Average Value)	900µm, 2mm, 3mm	-30 to 0 (270Hz,1KHz)
		-25 to 0 (2KHz)
	250µm	-25 to 0 (1KHz,2KHz)
		-20 to 0 (2KHz)
Insertion Loss (dB, Typical Value)	0.8 (1310nm)	
	2.5 (1550nm)	
Alkaline Battry (V)	9	
Operating Temperature (°C)	-10 to 60	
Storage Temperature (°C)	-25 to 70	
Dimension (mm)	196 x 30.5 x 27	
Weight (g)	200	



## Ordering Information

PRODUCT	PART NO
Optical Fibre Identifier	<b>OPT-OFI</b>
Standard Accessories: 4pcs adapter heads, alkaline battery, user manual, cotton swabs, soft carrying case	