

FSI-20

Fiber Signal Identifier



FSI-20 Fiber Signal Identifier is a new low-cost, portable instrument designed to detect dark/live fiber cable. During maintenance, installations, rerouting or restorations, it is often necessary to pinpoint a specific dark/live fiber without peeling the fiber. FSI-20 is the right tool to have the job done perfectly. By simply clamping FSI-20 onto a fiber, the FSI-20 will detect and indicate if there is a signal or traffic and show the signal direction. In the presence of traffic, the intermittently audible tone is activated. The FSI-20 will also display relative core power intensity. Using modulated light source (270Hz, 1kHz and 2kHz) such as FibreOptica FLS-series, FSI-20 can simply pinpoint a specified dark fiber.

FSI-20 offers four types of fiber heads/clamps optimized for testing on most commercial fiber cable with diameter of 0.25mm, 0.9mm, 2.0mm and 3.0mm.

The sunlight shield cover designed particularly for accurate live fiber identification under sunlight.

Key Features

- Easy and convenient operation with a single keystroke
- Efficiently identifies the traffic direction and frequency tone recognition (270Hz, 1KHz, 2KHz) without any damage of the fibers.
- Displays the relative core power of the traffic signal
- Low bending loss and highly efficient output
- Easy-to-replace Interchangeable fiber heads /clamps (0.25mm, 0.9mm, 2.0mm, 3.0mm to match various jacketed and coated fiber cables)
- Mechanical damp design of fiber heads /clamps to ensure the fiber without damage.

Specifications

Type	FSI-20
Identified Wavelength Range	800-1700 nm
Identified Signal Type	CW, 270Hz±5%, 1kHz±5%, 2kHz±5%
Detector Type	Ø1mm InGaAs 2pcs
Clamp Type	Ø0.25 (Applicable for tightly buffer fiber) Ø0.9 (Applicable for Ø0.9 Cable) Ø2.0 (Applicable for Ø2.0 Cable) Ø3.0 (Applicable for Ø3.0 Cable)
Signal Direction	Left & Right LED
Optical Power Reading	-50 ~ +0dBm
Signal Frequency	270Hz, 1kHz, 2kHz
Power Supply	One 9V Alkaline battery
Operating Temperature	-10 ~ +60 °C
Storage Temperature	-25 ~ +70 °C
Relative Humidity	< 95% (Non-condensing)
Dimension (mm)	195 x 30 x 27
Weight (g)	235

Note: Specifications subject to change without notice

Optional

FSI-20-SSC	Sunlight Shield Cover for testing under sunlight
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Standard Package

- Main unit
- One piece of 9V Battery
- Operating Manual
- Soft carrying case
- Four interchangeable heads/clamps for jacketed and coated fiber

Product Models

FSI-10