

TM301 Optical Fiber Identifier



【Production】

The TM301 Optical Fiber Identifier is a low cost. Portable instrument designed to detect optical signals without disrupting traffic. During maintenance, installations, rerouting or restorations, it's often necessary to isolate a specific fiber. By inserting the fiber into its adapter head, it can identify SM optical fibers without any damage by detecting the optical signals being transmitted through them so as to avoid the opening of the fiber at the splice point for identification, and thus avoids the interruption of the service. In the presence of traffic, the intermittently audible tone is activated. The TM301 optical fiber identifier also allows relative core power display and identification of the 270Hz, 1kHz and 2kHz frequencies. When they are used to detect the frequency, the continuously audible tone is activated. There are four types of adapter heads available: 0.25, 0.9, 2.0 and 3.0. The TM301 optical fiber identifier is powered by a 9V alkaline battery.

【Features】

- Efficiently identifies the traffic direction and frequency tone (270Hz, 1KHz, 2KHz) without any damage of the fibers.
 - Displays the core power of the fibers (-50~+0dBm)
 - Low bending loss and highly efficient output
 - Easy-to-replace adaptors (0.25, 0.9, 2.0, 3.0 to match various optical cables)
 - Mechanical damp design of adapter heads to ensure the fiber without damage.
- operation design, easy-to-sue

【Application】

- Maintenance in Telecom
- Maintenance CATV
- Test Lab of optical fibers

【Specifications】

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|-----------------------------|---|
| Type | TM301 |
| Identified Wavelength Range | 800-1700nm |
| Identified Signal Type | CW. 270Hz \pm 5%, 1KHz \pm 5%, 2KHz \pm 5% |
| Detector Type | \varnothing 1mm InGaAs 2pcs |
| Adapter Type | \varnothing 0.25(Applicable for Bare Fiber) |
| | \varnothing 0.9(Applicable for 0.9 Cable) |
| | \varnothing 2.0(Applicable for 2.0 Cable) |
| | \varnothing 3.0(Applicable for 3.0 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 |
| Dimension(mm) | 195×30×27 |
| Weight(g) | 235 |

Perpa Ticaret Merkezi, A Blok No.516 Şişli/İstanbul | Tel : +90 212 3204030 | Fax : +90212 3200255 | e-mail : info@telcolink.com

www.telcolink.com

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