

Optical Fiber Identifier

MT-7901

MT-7901 optical fiber identifier can perform live fiber identification and detection without no damage to fibers, MT-7901 can detect optical signals without disrupting traffic.

Features

- Indicates the signal direction in fiber
- Detect a variety of optical tones,270Hz, 1kHz and 2kHz;
- Suitable for 0.25, 0.9, 2.0, 3.0mm fiber, and no need to
- replace the clamp block, more convenient than others

Specifications

Sensitivity	250um fiber@1550nm=-35dBm	Power Supply	AA Alkaline Cell or Ni-Mh Cell
	900um fiber@1550nm=-35dBm	Frequency Identify	270Hz/1KHz/2KHz
	2.5mmmm fiber@1550nm=-30dBm	Fiber Type	Dia. 250um/900um/2.5mm/3mm SM fiber
Max. Input	+5dBm	Sound	Yes
Wave Respond	800nm~1700nm	Fiber Press	<100KPSI
Clamp Loss	<2.5db Typical	Auto Power Off	Yes



Visual Fault Locator

up to 50 mW

Visual fault locators are a quick and easy tool for locating fiber problems points, preforming continuity tests and for fiber identification. The visual fault locator sends a red laser beam that makes any light escaping point glow red, and its power glow is enough to locate damages from up to 40 km.



Warning
Laser beam with power level ≥ 1mW can cause eye injury. In case of direct eye exposure Class II and Class II are recommended.

Visual Fault Locator Models

Model	VFL-1X	VFL-5X	VFL-10X	VFL-20X	VFL-30X	VFL-50X
Output Power Level	1 mW	5 mW	10 mW	20 mW	30 mW	50 mW
Maximum Range	≤ 5 km	≥ 5 km	≥ 10 km	≥ 20 km	≥ 30 km	≥ 40 km
Wavelength	650nm					
Laser Mode	LD					
Pulse Frequency	2Hz to 3Hz / 9Hz					
Fiber Compatibility	Single Mode / Multi-Mode					
Connector	2.5 mm universal connector for FC/SC/ST adapters (LC adapter is available)					
Laser Safety Rating	Class I	Class III B				
Product Number	MTVC616	MTVC736	MTVC617	MTVC642	MTVC755	MTVC643

Optical Power Meter

MT-7803 / MT-7802

This fiber optic power meter has two variants for single mode and multi-mode fibers with different wavelengths. It is ideal for fiber optic network installation and maintenance.

Features

- Built-in optic isolator, larger and more stable
- Supports SC/PC connectors
- LCD display with Backlight
- Encodes each wavelength with a unique WaveID code
- 3 detection modulations 270Hz, 1KHz, 2KHz
- User friendly with easy Operation and wavelength switch
- Works with DC 5v power or AA batteries



Specifications

Wavelength	1310/1490/1550nm±10nm (MT-7803) 850/1300nm±10nm (MT-7802)	Output Power	>-5 dBm (MT-7803) >-10 dBm (MT-7802)
Power Stability	±0.05dB / 1hr ; ±0.1dB / 8hrs	Storage temperature	-20~+70°C; <90%RH
Optic connector	SC/PC	Operating temperature	-10~+60°C; <90%RH
Modulation	270 Hz, 1kHz, 2 kHz	Power source	2 x 1.5V AA batteries (not included)
Auto power off	10 minutes (could be reset)	Dimension	165 × 80 × 35 mm
Battery Charge	Yes, using 5V DC power jack	Weight	280 g
		package	Color box

Multi-Function Test Device

MT-7602

MT-7602 test device can be used as an optical power meter, fiber optic visual fault locator, fiber cable tester and a flashlight.

Optical Power Meter Features

- Wide range of power measurement from 850nm to 1625nm
- Multiple mode:850nm/1300nm/
- Single mode:1310nm/1490nm/1550nm/1625nm
- Power measurements in dBm,mW and uM
- Supports 2.5mm universal connectors (for ST/SC/FC)

Visual Fault Locator Features

- Easy to locate the breakpoint and bad connections
- Supports 2.5mm universal connectors (for ST/SC/FC)
- Both continuous and flashing modes available

Fiber Cable Tester Features

- Pin to pin cable map indicator (1~8 LEDs)
- Tests two types of connectors(RJ-11&RJ-45)
- The maximum length measurement: 600M



LED Flash Light Features

- Convenient for working in a dark environment
- Features 2 modes for long illumination and SOS signal