

# TENMARS

## TM-904 Fiber Fault Locator Manual

### ■ Safety Precautions

LASER RADIATION  
DO NOT STARE INTO BEAM  
CLASS 2 LASER PRODUCT



**Warning:**  
**Class II Laser Product**

**Please follow the instructions below to prevent injury.**

- When the device is operating, the output optical power may be hazardous may cause permanent damage to the eyes.
- Do not use the device in environments containing explosive gases, steam or dust.
- Do not shoot a laser beam into flammable gases to avoid danger.
- Make sure to cover the laser head with the dust cover when not in use.
- Do not attempt to disassemble the device (except for opening the battery cover for replacing batteries).
- Do not modify fibers to connect with a tester.
- Do not change the laser output by other means. Use only certified connectors or adaptors.
- Safety : IEC 60825-1:2014(3rd Edition)

### ■ Introduction

This fiber fault locator is designed for locating a fault on a fiber. When there is a breakpoint on the fiber, the laser beam emitting along the fiber will locate the breakpoint. The continuous and flash modes facilitate users to locate the fault more easily. Whether it is installation of new fibers or diagnosis of existing fibers, this device can help users quickly locate and then fix the breakpoint efficiently.

## Operation



1. Remove off the dust cap and connect the fiber to the laser beam output port ① on the device.

2. Press ② (Ⓚ) to turn on or turn off the device

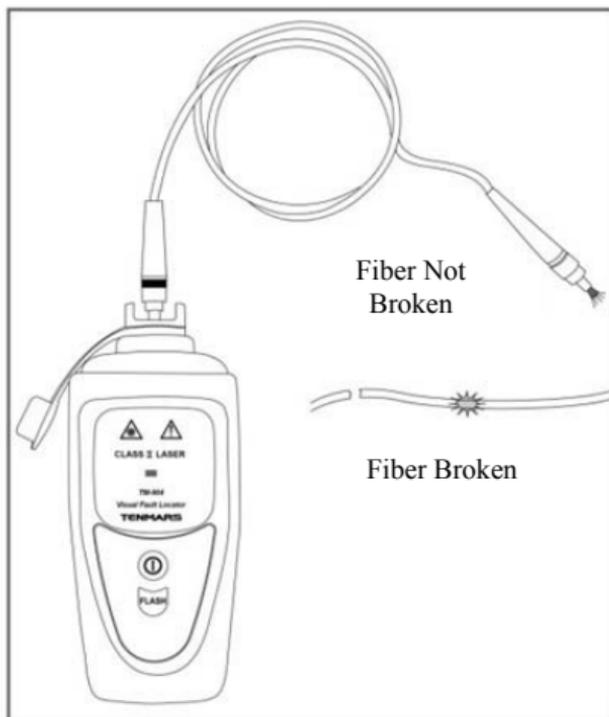
3. Press the ③ (FLASH) to switch modes Continuous or Flash.

(1) Continuous: emits laser beam continuously to show fiber continuity.

(2) Flash: locates breakpoints on a fiber.

4. Replace the dust cap when the device is not in use.

### Illustration of Fiber Continuity Test



## ■ Replace Maintenance

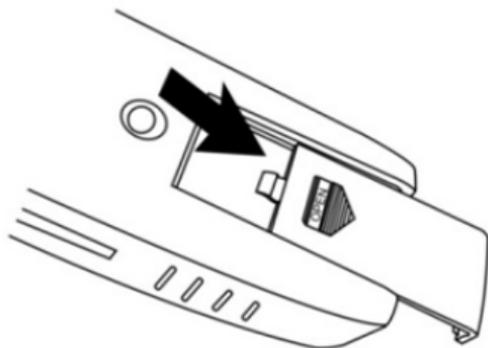
1. Put back the dust cap when the drive is not in use and keep the device in a well ventilated and dry place.
2. Remove battery from the device if it is not used for a long time to prevent leaking electrolyte from damaging the device.
3. Keep the fiber connector clean at all times.
4. Do not attempt to disassemble the device.

## ■ Specifications

Wavelength	635nm < 1mW (EU Class II )
Fiber compatibility	Multi-mode and single-mode
Range	Multi-mode: 3 KM
	Single-mode: 4KM
Operating temperature and humidity	0°C to 40°C (32°F to 104°F), RH≤90%
Storage temperature and humidity	-10°C to 60 °C (14°F to 140°F), RH≤80%
Output modes	Continuous/Flash (freq. 2Hz)
Output port	2.5mm universal (FC connector)
Altitude	Below 2,000m elevation
Dimensions	152 x 61 x 40mm
Weight	200g
Battery type	One 9V alkaline battery, 006P or IEC 6F22
Battery life	About 30 hours

## ■ Battery replacement

1. Turn the device off and open the battery cover as shown below.



2. Replace with a new 9V battery.
3. Replace the battery cover.

## ■ End of Life Disposal



### Caution

This symbol signifies the device and its accessories should be disposed of separately and correctly.

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