

Model No./型號: MT-7509

Size/尺寸: 155X35mm(對折再包折) 155 x 210 (展開) 共4頁

2012-12-04

**Features:**

- Simple, versatile, and user-friendly design
- Rugged, compact, and splash proof copper housing
- 650nm laser
- Power output: Single mode fiber > 0.3mW, Multimode fiber > 1.0mW
- Continuous wave output mode (CW) for steady fault illumination
- Blinking output mode increases viewing contrast
- Support 1.25 mm Connect (for LC)
- The button switch permits easy one handed operation
- Two AAA-size alkaline batteries provide 50 hours of continuous operation

**Operation:**

- Make sure the fiber connection is in place.
- Press Function Switch which is at the middle of checker into mode CW or pulse for your preference.
- Press Function switch to off position, the light will be shut off.

**Battery Installation:**

- Always make sure the battery conditions.
- When inserting batteries always point the laser emission hole away from your eye.
- Unscrew the back cap of the checker. Then insert two AAA size batteries, with the anode facing the spring of back cap. Then screw the back cap.



**Caution:**

- **DO NOT LOOK INTO THE PATH OF THE LASER BEAM.** Direct eye contact with laser beam may cause eye injury.

**Specifications:**

- Laser class: Class 3A laser diode
- Nominal wavelength: 650nm±10nm
- Power output: Single mode fiber ≥ 0.3mW, Multimode fiber ≥ 1.0mW
- Connector interface: 1.25 mm for LC fiber optic connectors
- Operating temp.: 0 ~ 40°C
- Storage temp.: -20°C ~ 60°C
- Weight: 55g
- Dimensions Length: Length 160±2 mm, Diameter 13.5 mm

**Standard Package:**

MT-7509 x 1 User Guide x 1



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**功能特性:**

- 簡單、多用途和容易操作的設計
- 使用650nm可見光雷射光源
- 輸出功率: Single mode fiber > 0.3mW, Multimode fiber > 1.0mW
- 連續的可見光輸出模式(可以正確的標示出故障的位置)
- 閃爍輸出模式(利用閃爍時的明暗對比較能明顯的確認出故障的位置)
- 提供易於使用的1.25 mm接頭可適用LC光纖跳線
- 按鈕式的開關可提供單手操作的方便性
- 兩個AAA尺寸鹼性電池可提供50小時連續的操作

**操作方式:**

- 首先請先確定與光纖連接器的連接是確實穩固的。
- 請按下在機中間的按鈕開關來開啓可見光的輸出, 並進入連續的可見光輸出模式或者閃爍輸出模式, 可依依照您的喜好與目的來選擇的何種功能和開關。
- 按下按鈕開關後進行關機時, 機中間的指示燈也將同時被關閉。

**電池安裝:**

- 首先請您確定電池的電量狀態。
- 按電池時請先將可見光故障探測器後面的蓋蓋旋轉開來, 然後在插入電池的請讓你的較端對準雷射的發射孔。
- 接著插入兩個AAA尺寸電池, 蓋蓋面請對準蓋蓋背面的方向, 然後將蓋蓋旋緊。



**警告:**

- 請千萬不要直接對準雷射光束的窗口, 因為直接對準雷射光束射入眼睛可能造成眼睛的傷害。

**產品規格:**

- 雷射器類型: Class 3A laser diode
- 雷射光的波長: 650nm±10nm
- 輸出功率: Single mode fiber > 0.3mW, Multimode fiber > 1.0mW
- 光纖連接器: 提供1.25 mm接頭可適用LC的光纖跳線
- 操作溫度: 0 ~ 40°C
- 儲存溫度: -20°C ~ 60°C
- 重量 (g): 55g
- 外形尺寸 (mm): Length 160±2 mm, Diameter 13.5mm

**標準配置:**

- MT-7509 主機 一組
- 說明書 一本



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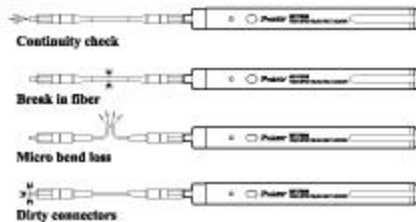
MT-7509

FIBER OPTIC VISUAL FAULT LOCATOR

INSTRUCTION MANUAL

**Locating Breaks and Bending Losses**

The MT-7509 fiber optic visual fault locator is an indispensable tool for quickly identifying bending losses and breaks in optical fibers. If a fiber is bent too tightly, red laser light will be seen escaping through the jacket. Likewise, if a fiber is broken, escaping light will be visible where the break is located, as shown below.



**Identifying Bad Ceramic Connectors**

Ceramic connectors are easily tested using the MT-7509 fiber optic visual fault locator. A fiber broken inside, or past, the ferrule will cause it to glow, as shown, at right. If the whole connector glows, it is definitely defective. If the end face polish of the connector is bad, light will be reflected internally, as shown at right. This will also make the ferrule glow when the MT-7509 is used.



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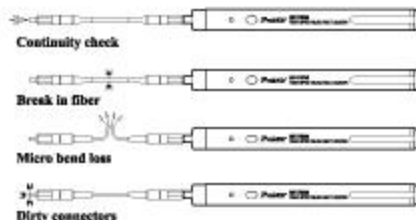
MT-7509

光纖可見光故障探測器

使用手冊

**可用來尋找光纖斷點及觀察彎曲損失程度**

MT-7509光纖可見光故障探測器是迅速鑑定測試光纖彎曲損失程度時的一件不可缺少的工具。如果光纖被嚴重的彎曲, 雷射可見光將會在該彎曲的位置被洩露出光線來而能正確的標示出該彎曲光纖的位置。同樣的, 一條光纖如果被折斷或切斷, 被洩露出光線來也能正確的標示出該光纖的斷點位置。



**可用來鑑定光纖連接器的陶瓷頭是否損壞**

想知道光纖連接器的陶瓷頭是否損壞可使用MT-7509光纖可見光故障探測器將很容易被測試出來。如果觀察到整個光纖連接器的陶瓷頭發光, 表示它明顯的有缺陷的現象。當連接器陶瓷頭的截面是不平情況下, 使用MT-7509時將使陶瓷頭發光, 因為大部份的光線將在陶瓷頭內部被反射, 而造成整個光纖連接器的陶瓷頭發光。

