

Model No./型號：MT-7508

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

2012-12-04

Features:

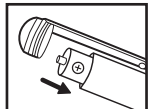
- Simple, versatile, and user-friendly design
- Rugged, compact, and splash proof copper housing
- 650nm laser
- High output > 0.5 mW
- Continuous wave output mode (CW) for steady fault illumination
- Blinking output mode increases viewing contrast
- Support 2.5 mm Connect (for PC/FC/SC/ST)
- The button 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
- Power output: > 0.5mW
- Connector interface: 2.5 mm for PC/FC/SC/ST 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-7508 x 1 User Guide x 1



PROKIT'S INDUSTRIES CO., LTD.

<http://www.prokits.com.tw> E-mail: pk@mail.prokits.com.tw

©2012 Prokit's Industries Co., LTD, All rights reserved. 2012/01

Pro'sKit®

MT-7508

FIBER OPTIC VISUAL FAULT LOCATOR

INSTRUCTION MANUAL

• Locating Breaks and Bending Losses

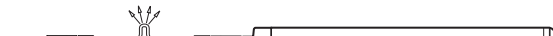
The MT-7508 fiber optic visual fault locator is an indispensable tool for quickly identifying bending losses and breaks in optical fibers. If a fiber is bent too tightly, red laser light will be seen escaping through the jacket. Likewise, if a fiber is broken, escaping light will be visible where the break is located, as shown at right.



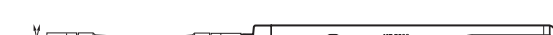
Continuity check



Break in fiber



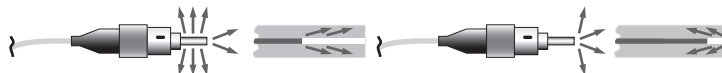
Microbend loss



Dirty connectors

• Identifying Bad Ceramic Connectors

Ceramic connectors are easily tested using the MT-7508 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-7508 is used.



Pro'sKit®

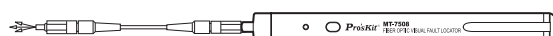
MT-7508

光纖可見光故障探測器

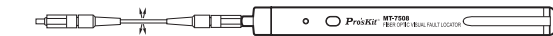
使用手冊

• 可用來尋找光纖斷點及觀測彎曲損失程度

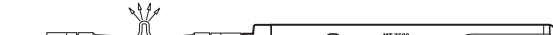
MT-7508光纖可見光故障探測器是迅速鑑定測試光纖彎曲損失程度時的一件不可缺少的工具。如果光纖被嚴重的彎曲，鐳射可見光將會在該彎曲的位置被洩露出光線來而能正確的標示出該彎曲光纖的位置。同樣的，一條光纖如果被折斷或切斷，被洩露出光線來也能正確的標示出該光纖的斷點位置。



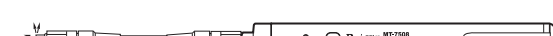
Continuity check



Break in fiber



Microbend loss



Dirty connectors

• 可用來鑑定光纖連接器的陶磁頭是否損壞

想知道光纖連接器的陶磁頭是否損壞可使用MT-7508光纖可見光故障探測器將很容易被測試出來。如果觀測到整個光纖連接器的陶磁頭髮光，表示它明顯的有缺陷的現象。當連接器陶磁頭的截面是不平情況下，使用MT-7508時將使陶磁頭髮光，因為大部份的光線將在陶磁頭內部被反射，而造成整個光纖連接器的陶磁頭髮光。



功能特性：

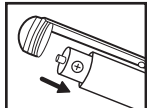
- 簡單、多用途和容易操作的設計
- 使用650nm可見光雷射光源
- 高功率輸出可大於0.5 mW
- 連續的可見光輸出模式(可以正確的標示出故障的位置)
- 眨眼輸出模式(利用觀看時的明暗對比較明顯的確認出故障的位置)
- 提供易於使用的2.5 mm接頭可適用PC/FC/SC/ST連接器
- 按鈕式的開關可提供單手操作的方便性
- 兩個AAA尺寸鹼性電池可提供50小時連續的操作

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。
- 請按下在筆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眨眼輸出模式，可依照您自己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，筆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。
- 換電池時請先將可見光故障探測器後端的帽蓋旋轉開來，然後在插入電池前請讓你的眼睛離開雷射的發射孔。
- 接著插入兩個AAA尺寸電池，陽極面請對準帽蓋背面的方向，然後將帽蓋旋緊。



警告：

- **請千萬不要直接看雷射光束的管口。**因為直接讓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：650 nm
- 功率輸出：> 0.5 mW
- 光纖連接器：提供2.5 mm接頭可適合PC/FC/SC/ST的連接器
- 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-7508 主機 一組
- 說明書 一本



寶工實業股份有限公司

<http://www.prokits.com.tw> E-mail: pk@mail.prokits.com.tw