



## **RP-MF0650**

### **Fiber Checker**

The Fiber Checker is a very useful tool designed for checking the defects of fiber cables. It emits a visible 650 nm wavelength red laser light through fiber optic cables. The breaks and defects in the fiber are shown, when the laser light is refracted, creating a bright glow around the faulty area. The universal connector can be used for all of the most widespread fiber interfaces such as ST / SC / FC connector. It is suitable for testing both Single-mode and Multi-mode cables. With an optional 2.5 mm to 1.25 mm optional Adapter, you can easily test 1.25 mm diameter fiber LC connector. The visibility is up to 3Km to 5km depending upon the output power of the Fiber Checker.



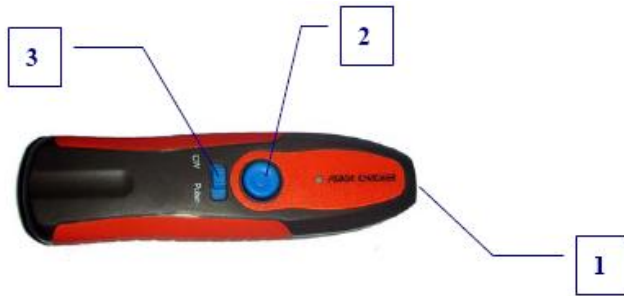
### **Feature**

- Easy to check fiber faults by using 635 nm or 650 nm visual red laser
- Range: visibility up to 3 ~ 5 Km
- Universally Connector for test different ST, SC, FC, LC (via Optional Adapter) interfaces
- For both Single-mode and Multi-mode cables
- Highly effective power circuits designed for stable laser power
- Operating in both CW (Continuous Wave) & Pulse Mode
- Dust-proof design keeps fiber connectors clean
- Two AAA-size alkaline batteries
- LED indicator for Power On, Battery Low

### **Specification**

<b>Laser Class</b>	<ul style="list-style-type: none"><li>• Class 2M</li></ul>
<b>Wavelength</b>	<ul style="list-style-type: none"><li>• 650 nm <math>\pm</math> 10 nm @ 25°C</li></ul>
<b>Spectral Width</b>	<ul style="list-style-type: none"><li>• &lt; 10 nm</li></ul>
<b>Output Power</b>	<ul style="list-style-type: none"><li>• &gt; 0.5 mW @ 25°C into 9 <math>\mu</math>m fiber</li></ul>
<b>Mode</b>	<ul style="list-style-type: none"><li>• CW / Pulse Mode</li></ul>
<b>Battery</b>	<ul style="list-style-type: none"><li>• AAA 1.5V X 2</li></ul>
<b>LED Indicator</b>	<ul style="list-style-type: none"><li>• GREEN Light - Power ON</li><li>• RED Light - Battery Low</li></ul>
<b>Fiber Connector</b>	<ul style="list-style-type: none"><li>• Standard ST, SC, FC connector</li><li>• 2.5mm to 1.25 LC connector (option)</li></ul>
<b>Emitting Range</b>	<ul style="list-style-type: none"><li>• Visibility to 3 ~ 5 Km</li></ul>
<b>Environment</b>	<ul style="list-style-type: none"><li>• Operating temperature : 0°C to 50°C</li></ul>
<b>Dimension</b>	<ul style="list-style-type: none"><li>• 132.5 * 33.5 * 24.5 mm</li></ul>

## Application



To touch then bend the Dust Cap to open the connector



To press to release Linchpin then to push Battery Lid backward.

1. **Dust Cap:** prevent dirt contaminates the LD
2. **Button:** pressing to Turn On / Turn Off the LD emitting.
3. **Mode Switch:** to select CW Continuous Wave Mode / Pulse Mode.
4. **Pen Clip:** a design to fasten the tool while put inside pocket.
5. **Battery Lid:** to open to change batteries.
6. **Linchpin:** a mechanical design to lock the Battery Lid.

## Ordering information

RP-MF0650	Fiber Checker, 650nm / 0.5mW
RP-MF0650/LC	Fiber Checker, 650nm / 0.5mW, w/ LC adapter
MOD-MF0411	LC adapter, 2.5 mm to 1.25 mm