

Fiber Checker

Specification & User Manual

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For further information or general comments, please contact one of our sales offices.

Range Of Limitations

The Product Information found herein pertain to the Fiber Checker, Part Number

Dimensions and Materials

All the materials comply with RoHS Restricted Hazardous Substances as detailed in "DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)"

Description

Fiber Checker is used for checking the defects of a fiber cable. It sends a visible red laser light at 650nm wavelength through fiber optic cables, any breaks or faults in the fiber will refract the light, creating a bright glow around the faulty area.



A universal connector can be used for most of the widespread fiber interfaces such as ST, SC and FC. It is suitable to test both Singlemode and Multimode cables. With an optional 2.5 mm to 1.25 mm adapter, users can also test LC and MU connector types. The visibility is up to 3 Km.

Internally there is a specifically designed power circuit. The APC (Auto Power Control) circuit provides steady power which avoids unstable laser output when the battery is low.

The LD output signal can be switched to CW or Pulse Mode to obtain different visual effects. There is a dust proof cover which will prevent dust from getting inside the LD connector. The cover also helps evade incidental exposure of the laser directly into your eyes.

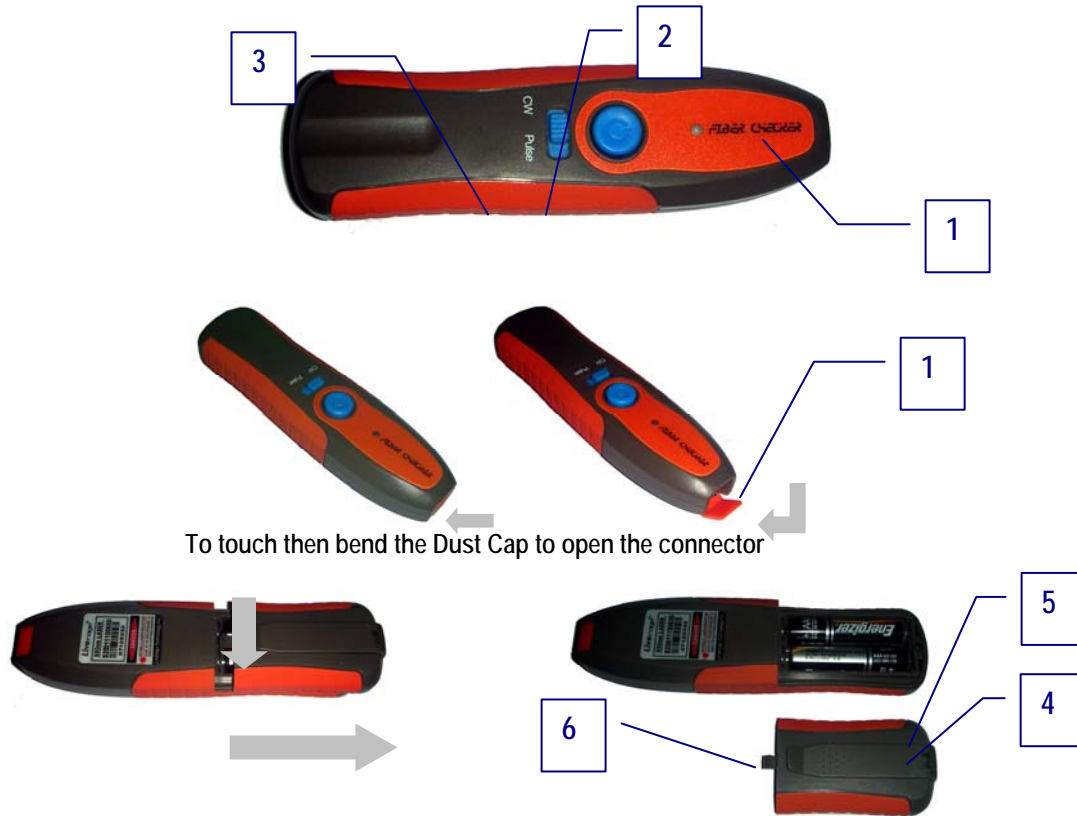
Specifications

| | |
|-----------------------|---------------------------------|
| Laser Class | Class 2M |
| Wavelength | 650 nm ± 10 nm @ 25°C |
| Spectral Width | < 10 nm |
| Output Power | > 0.5 mW @ 25°C into 9 μm fiber |
| Mode | CW / Pulse Mode |
| Battery Type | AAA 1.5 V x 2 |
| Indicator | Power / Battery Low |
| Output Power Reliable | +/- 0.2 mW |
| Emitting Range | Visibility to 3 Km |
| Operating Temp. | 0°C ~ 50°C |
| Storage Temp. | 0°C ~ 70°C |

Features

- Wavelength: 650 nm
- Visibility Range: 3 Km
- Universally Connector for ST, SC, FC, MU and LC interfaces
- Tests both Singlemode and Multimode cables
- Highly stable laser power
- Operates in both CW (Continuous Wave) and Pulse Mode
- Dust-proof design keeps fiber connectors clean
- LED indicator for Power and Low Battery indicators

Guide



To touch then bend the Dust Cap to open the connector

To press to release Linchpin then to push Battery Lid backward. To open Battery Lid to change batteries.

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

Operating Instructions

1. The Fiber Checker is powered by two pieces 1.5 V AAA batteries.
2. Turn the Checker on by pressing the on/off button. The LED should be GREEN when powered on.
3. Lift the front up of the dustproof and insert one end of the fiber connector to the universal connector or directly insert to an output connector of the fiber or patch cord.
4. Select CW or Pulse Mode.
5. Press the ON/OFF button to check for fiber damage and faults.

Important Notes:

- **DO NOT** look into the output port of the Fiber Checker when it is on. Doing so may damage your eyes.
- Keep the dust cap on at all times when the device is not in use.
- Use suitable cleaning tools to clean the fiber before testing to obtain the desired.
- When the LED shows "CB" (Check Battery), this means that the batteries are almost drained and in low voltage status, therefore it is suggested that the batteries be replaced immediately.

Maintenance

This tool requires no maintenance other than periodic battery charges. Like any other electronic equipment, this tool should be kept away from water, high damp, dust, electricity, and environments of extreme temperature. Do not drop this tool on hard surface. Modifying internally any of this tool components can cause a malfunction and will invalidate the manufacturer's warranty.

Product Guarantee

The buyer of this product should inspect the goods upon arrival, and within five (5) business days should notify SENKO of any conditions which may prevent the acceptance of this product. In the event of a claim, appropriate measures will be taken to investigate the cause. Claims must be made in accordance to the conditions stated in the Standard Terms and Conditions of Sale.

Shipping Information

All items are packed in a secure fashion so as to prevent any damage during transit.

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Warranty

SENKO warrants this product to be free of defects in workmanship and materials for a period of 1 year after purchase. This warranty (excluding batteries) is solely limited to the repair and replacement of original parts, which are defective in workmanship or materials. All other costs should be the sole responsibility of the owner. This warranty does not cover any defects, damage, and deterioration due to misuse, alteration, or negligence.

Ordering Information

| Part Number | Description |
|-------------|---|
| AFT-G-FC | 650nm Fiber Checker |
| AFT-G-CA | 2.5mm to 1.25mm adapter for Fiber Checker |

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