SFED-01

Wireless WIFI Fiber Optic Connector Inspection

User Guide

Preface

Thank you for choosing our products. Before assembly and use, please confirm that all the products and parts you ordered have arrived, and check the packaging carefully to avoid the loss of small parts.

Warning

Please follow the instructions in the manual when using the product to avoid personal injury. Please understand and follow them before operation.

Precautions for use

Failure to operate according to the specifications may affect the performance of the product. Please do not disassemble the components, otherwise it will cause damage to the parts. Only qualified personnel can perform repairs.

Product Description

Wireless WIFI fiber optic connector inspection is a portable fiber optic connector inspection developed by our company. Through WIFI signal, the image is transmitted to the mobile phone for display. It is easy to carry and can clearly judge the condition of the fiber optic connector, such as scratches and dirt. It is a good choice for fiber optic connector inspection. Wireless WIFI fiber optic connector inspection, built-in independent WIFI signal, with high-definition CCD and lens, displays the image on the mobile phone. A full range of adapter interfaces can meet the needs of fiber optic connector inspection in various occasions.

Product Features

1. Longer service life and good imaging quality

The internal structure of the handheld WIFI connector inspection has been redesigned to provide a longer service life. No matter how harsh the use environment is, the internal optical devices will not deteriorate and the imaging quality will remain consistent.

2. Use WIFI signal for convenient and stable connection

According to customer feedback, we use WIFI signal to connect the mobile phone, which is in line with the intelligent working method of modern society and stable connectivity. Whether it is a factory environment or a project site, our inspection always displays a stable and clear image.

3. Clear image acquisition software

The image signal transmitted to the mobile phone is displayed clearly through the developed image display software, which is more conducive to viewing different connector conditions and meeting various test environments.

4. Multiple product testing functions

It can be equipped with a variety of adapter interfaces to meet the testing requirements of products such as fiber optic connectors, optical transceiver modules, TOSA & ROSA components, etc.

Technical Indicators

Magnification：	200X
Resolution：	0.5μm
Focusing method：	Manual
Video signal format:	WIFI signal transmission
Display：	Mobile phone screen display
Storage temperature:	-20~50℃
Operating temperature:	-10~50℃
Power consumption:	3W
Power supply:	Built-in 5V rechargeable battery or external power supply
One power supply working time:	≥ 4 hours
Volume:	210mm*56mm*50mm
Weight:	0.5kg

Supported fiber optic test probe types (standard)

Type	Description
2.5-U-M （2.5mm PC Male adapter）	Test：FC/SC/ST/E2000PC connector for fiber optic patch cords
1.25-U-M （1.25mm PC Male adapter）	Test：LC/MU PC connector for fiber optic patch cords
SC-U-F SC/PC Female adapter	Test：SC/PC Fiber patch cord connector inside the adapter
LC-U-F LC/PC Female adapter	Test：LC/PC Fiber patch cord connector inside the adapter

Product Image

Front view

Handle diagram

| | | | 状态指示灯 | 电源键 |
| 适配头连接口 | 调焦旋钮 | | | |

腕带

Standard test probe

2.5-U-M

（2.5mm PC Male adapter）

1.25-U-M

（1.25mm PC Male adapter）

SC-U-F

SC/PC Female adapter

LC-U-F

LC/PC Female adapter

The test probe is a key component of the microscope. When measuring the fiber optic connector of different adapters, you need to replace the corresponding test probe. The cooperation between the probe and the adapter is very important. If there is a slight deviation, it will affect the deviation of the video image. When using, be sure to insert the adapter to be tested tightly. After adjusting the position, do not move it at will.

Optional test probe

2.5-A-M

1.25-A-M

（2.5mm APC Male adapter） （1.25mm APC Male adapter）

FC-A-F   SC-A-F

FC/APC Female adapter   SC/APC Female adapter

FC-U-F   ST-U-F

FC/PC Female adapter   ST/PC Female adapter

2.0-U-M
（2.0mm PC Male adapter）

2.0-U-F
（2.0mm PC Female adapter）

2.5-U-F
2.5 Universal female adapter

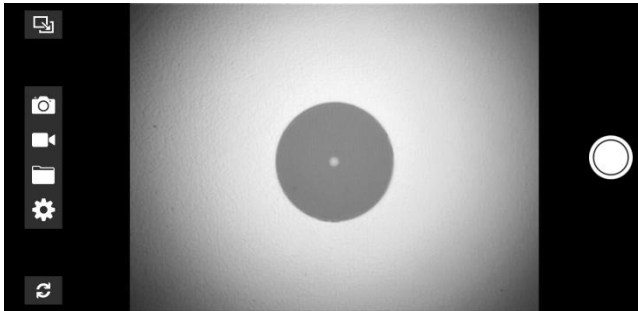MU-U-F
MU/PC Female adapter

Operating Instructions

1. Install our company's software on your phone first. (Scan the QR code below or download our company's software WIFI Image on the app)

2. Press and hold the power button on the test handle and wait for the power-on to complete.

3. Turn on your phone and connect to the WIFI signal output by

9

the test handle.

4. After the WIFI signal is connected successfully, open the APP and enter the test interface.

5. Insert the test product into the test interface, and then rotate the focus head of the test host according to different products (turn right to adjust the distance between the test product and the machine lens, turn left to bring the test product and the machine lens closer), and adjust the image to a clear point (generally adjust to where the light spot appears, and turn the focus head 5 circles to the left, that is, the clear point). If the image is not in the center, then gently turn the test interface left and right to adjust the image to the center. Until the image is adjusted to be clear.

6. The display brightness of the phone can be adjusted according to specific usage.

7. Click the settings interface to view the software settings.

设置

SSID	\<unknown ssid\>
图像格式	MJPEG
分辨率	720x480
信道	信道9
语言	default默认
设备列表	
升级	
USB调试	

1.4.201-e2caa40(c1976429369b)

8. The image can be saved and the output viewed on the phone.

9. The end face condition of the tested product is clearly displayed on the mobile phone. If you want to test other types of products, just replace the corresponding matching adapter.

Warranty Service

We guarantee that the equipment will be under warranty for one year from the date of sale, and we also guarantee that the equipment can be used normally in accordance with applicable specifications. During this period, we will repair or replace the returned product free of charge.

Important note: The following situations are not covered by the warranty

·The device has been disassembled or repaired by non-designated personnel.

· The warranty label has been removed or torn off.

· The nuts on the casing have been removed privately.

· The casing has been opened in an illegal manner.

· The machine serial number has been tampered with, wiped or torn off.

· The device has been improperly used or damaged in an accident.