SFED-01

WIFI Fiber Optic Connector Inspection

Description

WIFI Fiber Optic Connector Inspection is a portable fiber end face detector，Through the WIFI signal, the image is transmitted to the mobile phone for display, which is convenient to carry, and can clearly judge the condition of the fiber end face, such as scratches and dirt, and is a good choice for the fiber end face detection. The fiber end face detection system has built- in independent WIFI signal, and cooperates with high -definition CCD and lens to display images on the mobile phone. A full range of adapter interfaces are available to meet the needs of fiber end face inspection in all applications.

Features

- **Longer use life and better imaging quality**

Inner structure is newly designed to get longer use life, no matter how bad the environment is, the internal optical component will not deteriorate and the imaging quality is good.

- **Use WIFI signal, the connection is convenient and stable**

Through WIFI signal connect to mobile phone, which is accord with modern society intelligent work mode and has stable connectivity. No matter factory environment or engineering site, our inspection probe always shows a stable and clear image.

- **Clear image acquisition software**

The image signal transmitted to mobile phone will display clearly through developed image display software, which is easier to check different fiber ends inspection conditions and is satisfy with various test environments.

- **Many kinds products inspect function**

It can work with many kinds of adapters which meet the testing requirements of check optical fiber connectors, optical transceiver modules, MPO & MPT components and other products.

Specifications

Magnification	200X	Video signal	WIFI signal transmission
Power consumption	3W	Display	Phone screen display
Power supply	Built- in rechargeable battery	Operating hours	≥4h
Operating temperature	- 10~50℃	Focus mode	Manual
Storage temperature	- 20~50℃	Volume	45mm * 50mm * 220mm

Package Contents

- Wifi Fiber Optic Connector Inspection
- Standard Adapters :
  1. 2.5-U-M - Universal 2.5mm probe tip for PC male connectors
  2. 1.25-U-M - Universal 1.25mm probe tip for PC male connectors
  3. SC-U-F - Tip for SC PC female (in-adapter) connectors
  4. LC-U-F - Tip for LC PC female (in-adapter) connectors
- Power adapter
- Charging data line
- User's guide

- Portable package

Options

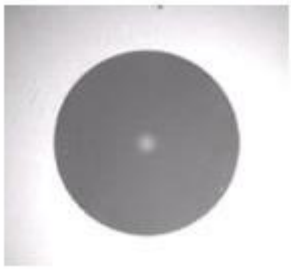
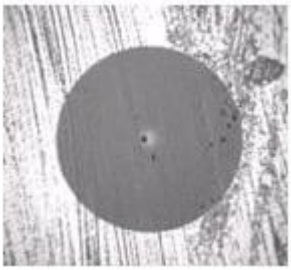
- FC-U-F - Tip for FC PC female (in-adapter) connectors
- 2.5-A-M - Universal 2.5mm probe tip for APC male connectors
- SC-A-F - Tip for SC APC female (in-adapter) connectors
- FC-A-F - Tip for FC APC female (in-adapter) connectors

Why do I need to clean and inspect the end face now?

Because the optical fiber core, which transmits the communication light signal, has a small diameter of only 10 microns, even a small spot of contamination, which may be invisible to the naked eye, may affect transmission performance and cause communication failure.

However, since the optical connector end-face is exposed, it is difficult to avoid it being contaminated.

To avoid communication failure due to contamination, it is necessary to clean the optical connector end-face just before making the connection.

	
Clean optical connector end-face	Contaminated (grease from hands) optical connector end-face

A small spot of contamination on the optical fiber core that is invisible to the naked eye may cause communication failure or the degradation of transmission characteristics.

In recent years, the power of optical communication light has become stronger.

Since the communication light is confined in an extremely small core of 10 microns diameter, its power density is very high. If some contaminating substance adheres to the core, it may burn and the heat may melt the core.

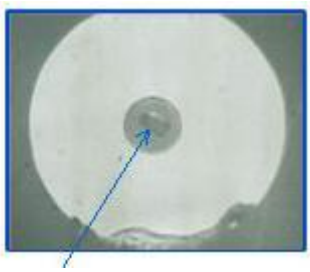


Photo showing a core that has melted as a result of a contaminated substance on the end-face being irradiated with a high power laser.

In order to prevent communication failure due to such a serious malfunction, connectors have to be cleaned with optical connector cleaner.