

summarize

USB handheld optical fiber end face detector is a device used to detect the end faces of optical fiber products. By magnifying the fiber end face and imaging, use USB to connect to the computer (or use our company's corresponding display products) to transmit the image information. You can clearly check the fiber end face condition on the computer, and you can detect single-core optical fibers, which are generally equipped with 2.5mm/1.25mm ferrules as standard.

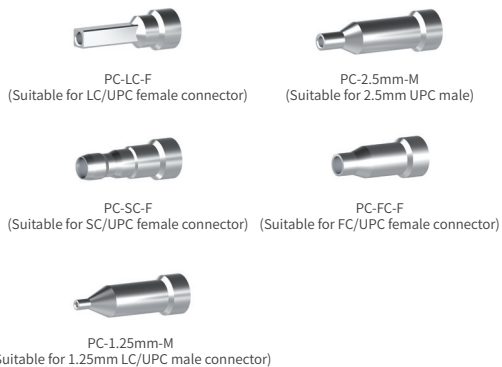
Product characteristics

- ① **High definition:** Using high-definition optical objectives and high-definition image sensors, stains and scratches on the fiber end face can be clearly seen.
- ② **Simple operation:** The easy-to-adjust focusing system makes it easy to find the fiber core quickly, and the easy-to-replace interface makes it easy to detect different types of interfaces.
- ③ **Rational design:** Easy to carry, small and convenient body, suitable for various occasions.
- ④ **Stable focusing system:** The internal structure of the handheld optical fiber end face detector is designed with a rotating focusing system.
- ⑤ **Stable USB interface:** Use the USB interface to connect to the computer, and the graphics transmission quality is stable.

Product parameter

Item	Argument
CMOS resolution	3um
Optical magnification	11x
Frame rate	25fps
Focusing mode	Manual operation
Operating temperature	-10°C~+50°C
Storage temperature	-15°C~+50°C
Image size	640x480
Signal output mode	USB
Power supply mode	Type-C-5V
COMS resolution	1920 * 1080
illuminant	White light
Overall size	195mm*48mm*31mm
weight	115g()

Interface probe as standard



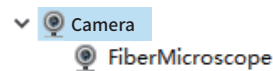
Optional interface probe



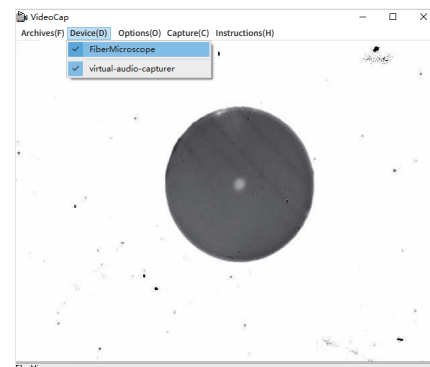
Usage method

Method 1: Computer side use

- ① Connect the device to the computer host through USB to Type-C. You can find the corresponding device in the Device Manager.



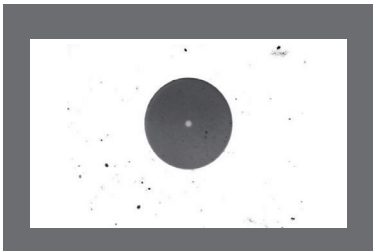
- ② Turn on your computer's camera, or use another third-party program to open the software to the test world.



- ③ Insert the optical fiber end face to be detected into the detection interface, and then rotate the focus according to the display to a clear place. If the image is not in the center, the image can be adjusted to the middle of the screen by gently rotating the test joint.

Method 2: Use OTDR on the device

- ① Connect to the USB interface of the machine via USB to Type-C.
- ② Turn on the "End Face Detection" function of the device, and the display effect is as follows.



▲ Notice: ① Due to different OTDR models, the display interface will be different.
② OTDR needs to have end face detection functions.

- ③ Insert the optical fiber end face to be tested into the detection interface, and then rotate and adjust the focus according to the display to a clear position. If the image is not in the center, you can adjust the image to the middle of the screen by gently turning the test connector.

Method 3: Mobile terminal use

- ① Use a Type-C to Type-C cable to connect the phone.
- ② Contact the manufacturer to obtain the APP.
- ③ Insert the optical fiber end face to be detected into the detection interface, and then rotate the focus according to the display to adjust to a clear place. If the image is not in the center, the image can be adjusted to the middle of the screen by gently rotating the test connector.

Daily maintenance

- ① Keep the interface clean, grease free, pollution-free; Avoid long-term exposure when the handle is not in use.
- ② Be careful when inserting and unplugging the power supply interface and optical fiber interface to avoid damage;
- ③ Clean the lens regularly to prevent contamination of the lens resulting in poor results;
- ④ Do not operate the equipment in humid or corrosive gas environment.
- ⑤ Avoid strong vibration or collision of equipment during use.
- ⑥ Avoid direct sunlight or high temperature environment, so as not to affect the stability of the equipment.

Quality assurance

Dear customer:

Thank you for the privilege of purchasing our products! In order to protect your legitimate rights and interests, and to improve after-sales service to customers, this warranty regulation is formulated. Please read it carefully and welcome your valuable comments and suggestions.

1. This product is guaranteed free of charge for 18 months from the date of purchase. If it exceeds the warranty period, zero attachment cost will be charged for failure.
2. During the free warranty period, if the following situations occur, the company has the right to refuse warranty service and charge original repair fees and service fees as appropriate.

A: Improper use of the user or wrong operation leads to product failure;

B: Lightning strikes or improper installation resulting in burnout accidents;

C: Damaged label or unauthorized disassembly of equipment for repair;

3. Please pack and ship the repaired products properly. If there is damage or loss during transportation, the company will not be responsible.

4. Please read the product manual carefully before installing and trying our products.

5. The warranty card must be stamped and dated by the sales unit to ensure your rights.

Warranty regulations

We do not approve of the user's own maintenance of the end detector.

1. Within 18 months after the user receives the goods, our company will be committed to the quality and technology of its products, and the warranty period is 18 months from the date of receipt of the goods; When the purchased product is found to have quality problems during this period, we will make corresponding treatment or replacement, but in any case, our responsibility will not exceed the purchase value of the product.

2. If there is a problem in the use of the instrument, according to the common fault prompt solution can not be solved, the user shall not open the case without authorization, please contact our company.

3. For product defects caused by failure, our company is responsible for free repair or replacement of products.

Note: This warranty applies only to normal use of the device, and no damage or normal use of the product quality or material defects caused by failure, our company is responsible for free repair or replacement. For accidents, improper use, unauthorized boot maintenance our company has the right to refuse warranty.

Certificate
of Quality
QC:011

Fiber Microscope Instruction manual

