



MICROSCOPIO FIBRA ÓPTICA 400X



Referencia: **TMICRO400XFO**

User Manual

Thank you for purchasing the handheld microscope. Please read carefully the user manual before operating, which can be of great help.

- A. Do not use damaged battery
- B. Do not use battery over the specified time period
- C. First use or the battery has not been for past several months, please recharge the battery before use.
- D. Battery is consumable item, its life will be shorten from the time it is being used.

The handheld microscope is used to inspect end-face of fibers and check the optic connectivity. It magnifies fibers of 125um diameter 200 or 400 times, enlarging picture through a video signal to the display where the status of fiber end-face is showed clearly in the end.

Components Introduction

Major Structure

A. Handle Body: the handle houses many things, like CCD camera, ray apparatus structure, optical routine system, coaxial lamp-house, focus control, video output and power supply system et. Also have a PAL signal system.

B. The Inner Structure of Handle is so compact and complex that, if long time work it will cause a fever. This isn't the mechanical faulty but normal phenomena. It may cause damage if disassemble without permission, which you may also fail to have troubleshooting.

Inspection Lens

A. Optical magnification system locates in the front of handle body, the beginning of which comes a lens-bar.

B. The Barrel Assembly, mounted on body outside the lens-bar, can match different types of tips. The lens-bar will be adjusted according to the focus control.

Note: It may cost a lot if the lens or lens-bar is damaged, which have the image formed and be the cores of probes.

Barrel Assembly

Barrel Assembly plays a vital role in connecting or matching different types of tips.

Note: It will have a serious effect on the image performance once the inner conical surface from the barrel assembly is hit or impacted.

Inspection Tips

There are specific tips interchangeable for different types of connectors, which allow you to inspect the fiber surface whether 2.5mm or 1.25mm. The enlarged size for the ferrule diameter can reach up to 0.30*0.28mm, Also the most visible area can reach up to 0.6*0.57mm when adjusting the probe.

Specifications

Size	18.6*5.2*5.0MM
Weight	170.00G
Resolution	1.25μm
Optical Magnification	200X or 400X
Viewable area	0.3MM*0.28MM
Electronic viewfinder	1/3IN black-and-white CCD
Light Source	BLUE-LED (100000hrs above)
Focus Control	Manual coaxial focus
Connector	2.5mm & 1.25mm
Operating Temperature	-20°C -50°C
Guarantee period	One year