

Fiber Optic Connector Inspection

Reliability and performance of a fiber optic link largely depends on the quality of interconnects. Contaminated connectors can cause the mating surfaces to separate leading to high insertion loss and back-reflection. Furthermore, some dirt particles can even scratch or dig into the glass causing permanent damage to the end-face of the connector. Therefore, inspection of fiber optic connectors should be performed whenever a connection is to be made.

The Fiber Optic Connector Inspection is an intelligent handheld video microscope suitable for inspection of patch cords, bulkhead receptacles and a variety of connectors found in fiber optic communication systems.

Features:

- 3.5-inch TFT color display
- Well-centered, high resolution image
- Image capture and storage
- Instant video recording

- 250x Magnification
- 4x Digital zoom
- Standard tips (SC, FC, ST, LC, MU, E2000)
- USB plug-and-play



Standard Accessories	
Inspection Probe	x 1
Mainframe	x 1
AC power adapter/battery charger	x 1
Rechargeable battery pack	x 1
2.5mm tip for PC male connectors	x 1
1.25mm tip for PC male connectors	x 1
Tip for SC / FC PC female connectors	x 1
Tip for LC PC female connectors	x 1
Tip box	x 1
User Manual	x 1
Carrying case	x 1
Optional Accessories	
2.5mm tip for APC male connectors	x 1
1.25mm tip for APC male connectors	x 1
Tip for SC APC female connectors	x 1
Tip for FC APC female connectors	x 1
Tip for LC APC female connectors	x 1

Specifications:

Mainframe	
Display	3.5" TFT-LCD, 320 x 240 pixels
Dimensions	170mm x 100mm x 40mm
Weigh(including battery)	200g
Power Supply	Replaceable battery or universal input 5V DC adapter
Battery	Rechargeable Li-Ion, 3.7V / 1450mAh
Battery life	> 3 hours (continuous)
Charger/AC adapter	US, EU, UK and Australian versions available
Image / Video Storage	8GB SD card
Operating Temperature	-20°C to 50°C
Storage Temperature	-30°C to 70°C
Inspection Probe	
Magnification	400X (9" monitor); 250x (3.5"monitor)
Detection Limit	0.5µm
Focus Control	Manual , in-probe
Principle	Bright field reflected light microscopy
Dimensions	180mm x 40mm x 30mm
Weight	200g