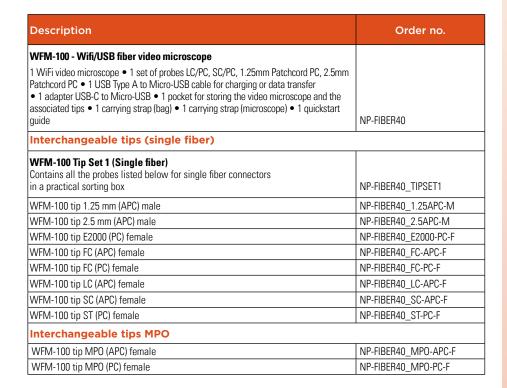
WFM-100

Optical Fiber Video Microscope, WiFI/USB



Quick and easy inspection and testing of fiber optic connectors for contamination and damage.

The NetPeppers WFM-100 is a portable video microscope with integrated battery for checking the cleanliness of fiber optic plugs and panels according to IEC 61300-3-35 and IPC-8497-1 standards. The WFM-100 is the ideal companion for technicians and installers who are involved in the installation of FTTx fiber optic networks and want to install them without any problems. The WFM-100 offers a high-resolution display of scratches, dirt on the connector/fiber end surface and has the function of automatic analysis of fiber end surfaces in the FiberEye2 app. It can be easily and smoothly paired with all popular Android or iOS-based tablets or smartphones via Wi-Fi. A reporting function allows the documentation of the inspection results.





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KEY BENEFITS

- Digital, high-resolution image output for the documentation of fiber optic connectors
- Automatic analysis of fiber end surfaces according to IEC 61300-3-35 and IPC-8497-1 standards
- 400 times magnification of fiber end faces
- Suitable for all common fiber optic connector systems: LC, SC, FC, ST, E2000, and MPO (UPC or APC)
- Wireless working with Wi-Fi and integrated battery in the microscope
- Easily view the connector interfaces of fiber optic connections with the FiberEye2 app. Available for Android and iOS mobile devices.
- Occumentation via test protocol or .jpg image

TECHNICAL DATA

Magnification 400 x

Particle/defect size detection < 1 µm

Light source LED, blue

Field of view microscope horizontal 348.7 µm; vertical: 263.2 µm

Resolution of live image 640 x 480

Camera sensor 1280*720, 1/3-inch CMOS

Tolerance image centering < 2%

Power supply Micro-USB

Connection Wi-Fi 802.11a/b/g/n, USB 2.0

Wi-Fi frequency 2.4 GHz

Supported mobile operating systems Android 4.4 and above, IOS 8.1 and above

Battery capacity 3400 mAh Li-Ion

Battery life ≥ 5 hours

Charging time via USB ≤ 5 hours

Weight 166 g

Dimensions (without tip) (B x H x T) 180 x 45 x 32 mm