

# 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.



### 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.
- ★ Documentation via test protocol or .jpg image

Description	Order no.
<b>WFM-100 - Wifi/USB fiber video microscope</b> 1 Wifi video microscope • 1 set of probes LC/PC, SC/PC, 1.25mm Patchcord PC, 2.5mm Patchcord PC • 1 USB Type A to Micro-USB cable for charging or data transfer • 1 adapter USB-C to Micro-USB • 1 pocket for storing the video microscope and the associated tips • 1 carrying strap (bag) • 1 carrying strap (microscope) • 1 quickstart guide	NP-FIBER40
<b>Interchangeable tips (single fiber)</b>	
<b>WFM-100 Tip Set 1 (Single fiber)</b> Contains all the probes listed below for single fiber connectors in a practical sorting box	NP-FIBER40_TIPSET1
WFM-100 tip 1.25 mm (APC) male	NP-FIBER40_1.25APC-M
WFM-100 tip 2.5 mm (APC) male	NP-FIBER40_2.5APC-M
WFM-100 tip E2000 (PC) female	NP-FIBER40_E2000-PC-F
WFM-100 tip FC (APC) female	NP-FIBER40_FC-APC-F
WFM-100 tip FC (PC) female	NP-FIBER40_FC-PC-F
WFM-100 tip LC (APC) female	NP-FIBER40_LC-APC-F
WFM-100 tip SC (APC) female	NP-FIBER40_SC-APC-F
WFM-100 tip ST (PC) female	NP-FIBER40_ST-PC-F
<b>Interchangeable tips MPO</b>	
WFM-100 tip MPO (APC) female	NP-FIBER40_MPO-APC-F
WFM-100 tip MPO (PC) female	NP-FIBER40_MPO-PC-F

### 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

