



**VeEX**



## DI-1000MPO+

### Digital Fiber Inspection Microscope for Single and Multi-Fiber Connectors

Optimized for testing MTP/MPO connectors retaining backwards compatibility with existing single fiber tips. The scanning and focus knobs are conveniently located on the microscope body providing simple and efficient handheld operation. The host device software performs visual inspection, image capture, and Pass/Fail results.

### Key Features

- Precise and reliable single-finger focusing
- X and Y scanning controls on Fiberscope body
- Ergonomic design offering one handed operation
- Robust for field use (no motors or batteries)
- Inspect patch cords and bulkheads
- Supports 12 up to 48 fiber MTP/MPO connector types
- New larger field of view (FOV) 680 x 510  $\mu\text{m}$
- 1/3 inch CMOS sensor
- Blue LED light source for end face illumination
- Compatible with largest variety of host devices:
  - Android mobile devices with Fiberizer FMS software
  - IOS mobile devices with Fiberizer FMiOS software
  - Windows PCs equipped with Fiberizer Scope software
  - VeEX test platforms equipped with USB or WiFi (MTTplus, TX300 series, V150 series and RXT)
- USB or WiFi connection to tester, PC or mobile device
- Powered by USB
- Comprehensive range of single and multi-fiber tips, including PC and APC versions
- Lightweight and compact
- Quick tip replacement – MTP/MPO and single fiber

### Auto Focus Detection & Analysis

- Auto-focus image capture and Pass/Fail analysis performed by VeEX tester, PC or mobile device software application.
- Host device automatically detects when image(s) have reached optimal focus and freezes the picture
- Host device software performs IEC 61300-3-35 analysis and delivers Pass/Fail result including table
- Faster focus, acquisition and analysis, compared to slow electro-mechanical auto-focusing scopes
- User remains in control during measurement and can intervene at any time to clean and re-inspect fibers
- Image saving and online upload for documentation tasks
- Report generation (HTML and PDF) directly from the host device
- Compare function for images captured before and after cleaning



## General

Camera	1/3" CMOS
Field of View (FOV)	~680 $\mu\text{m}$ to 510 $\mu\text{m}$
Optical Resolution	$\leq 2.0 \mu\text{m}$
Detectable Resolution	0.5 $\mu\text{m}$
Light Source	Blue LED
Focus	Manual, 2 mm max travel ( $\pm 1.0$ mm)
Power Supply	USB port of PC
Weight	225g (0.496 lb)
Dimensions	35 mm diameter x 175 mm length (1.38" x 6.89") (without cap)
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)