

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 μm
- 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
- Compare function for images captured before and after cleaning

Ordering Information

Z06-00-040P	DI-1000MPO Digital Fiber Inspection Microscope kit for Single and Multi-Fiber	F99-00-109G	Medium Extended tip for ST PC type female connectors
	Connectors. Includes female MTP/MPO APC and PC tips, MTP adapter for male MTP/MPO	F99-00-110G	Long Extended tip for ST PC type female connectors
	connectors, and single fiber collar for optional	F99-00-111G	60 degree angled tip for ST female connectors
		F99-00-111G	Short Extended tip for E2000 PC type female
Z99-00-047P	single fiber tips. See Z06-00-040P, but 1-Year warranty, carrying	F99-00-112G	connectors
Z99-99-033P	pouch, and tip storage container not included DI-1000MPO Digital Fiber Inspection	F99-00-113G	Medium Extended tip for E2000 PC type female connectors
233 33 0331	Microscope only for Single and Multi-Fiber	F99-00-114G	Long Extended tip for E2000 PC type female
	connectors without any tips or adaptors	500 00 4450	connectors
Accessories		F99-00-115G	Tip for E2000 APC type female connectors
	Front and for formals NATD/NADO DC assessment	F99-00-116G	Tip for LC PC type female connectors
F99-00-133G* F99-00-135G*	Front end for female MTP/MPO PC connectors Front end for female MTP/MPO APC connectors	F99-00-117G	Short Extended tip for LC PC type female
F99-00-133G F99-00-186G*	MTP/MPO to Single tip conversion barrel	F99-00-118G	connectors Medium Extended tip for LC PC type female
F99-00-188G*	MTP/MPO coupler, Key-up to Key-down	199-00-1180	connectors
Z99-99-005G*	Container, for Video Fiber Scope Tips	F99-00-119G	Long Extended tip for LC PC type female
C02-00-026G	Carrying Pouch for Fiber Scope Tips	133-00-1130	connectors
Z77-00-006P	Fiber Cleaning Kit	F99-00-120G	Tip for LC APC type female connectors
Z99-99-028G	USB WiFi Bridge for Fiberscope	F99-00-121G	Tip for MU PC type female connectors
F02-00-090G	OTG Cable, microB to USB-A (f), 15 cm	F99-00-122G	Short Extended tip for MU PC type female
F02-00-102G	OTG Cable, USB-C (m) to USB-A (f), 60 cm	133 00 1220	connectors
C02-00-019G*	Carrying Pouch for Video Fiber Scope with Tips	F99-00-123G	Medium Extended tip for MU PC type female
Z99-99-014P	DI-1000 Video Fiber Scope only without tips and		connectors
	adaptors, USB 2.0 Version	F99-00-124G	Long Extended tip for MU PC type female
			connectors
Single Fiber Ti	ps	F99-00-125G	60 degree angled tip for MU PC type female
F99-00-078G	Universal 2.5 mm probe tip for PC type male		connectors
	connectors	F99-00-126G	Tip for LEMO female connectors (SMPTE F2)
F99-00-079G	Universal 1.25 mm probe tip for PC type male	F99-00-127G	Tip for 2.0 mm female termini
	connectors	F99-00-128G	Tip for 1.6 mm female termini
F99-00-080G	Probe tip for 1.25 mm male ELIO connectors and	F99-00-129G	Tip for ELIO 1.25 mm female connectors
	termini	F99-00-130G	Tip for LX.5 PC female connectors
F99-00-081G	Universal 2.0 mm probe tip for PC type male	F99-00-131G	Tip for LX.5 APC female connectors
F00 00 003C	termini and LEMO F2	F99-00-137G	Adaptor tip for Westover tips (not all tips
F99-00-082G	Tip for SNA OOF male assure store	500 00 4500	supported - check with factory for compatibility)
F99-00-095G	Tip for SMA 905 male connectors	F99-00-159G	Tip optimized for SC APC bulkhead adapters
F99-00-096G	Universal 2.5 mm probe tip for APC type male connectors	F00 00 160C	(recommended)
F99-00-097G	Universal 1.25 mm probe tip for APC type male	F99-00-160G	Medium Extended tip for SC APC type female connectors
199-00-0970	connectors	F99-00-173G	Low profile tip for inspecting QSFP-DD and OSFP
F99-00-098G	Tip for SC and FC PC type female connectors	133-00-1730	transceivers
F99-00-099G	Short Extended tip for FC and SC PC type female	F99-00-184G	Tip for OptiTip® APC connectors
	connectors	F99-00-191G	Short Extended tip for LC PC type female
F99-00-100G	Medium Extended tip for FC and SC PC type female		connectors
	connectors	F99-00-192G	Specialty tip for simplex and duplex male LC PC
F99-00-101G	Long Extended tip for FC and SC PC type female		type connectors
	connectors	F99-00-199G	60-degree angled tip for Corning Evolv APC
F99-00-102G	60 degree angled tip for FC and SC PC type female		terminal
	connectors		
F99-00-103G	Tip for SC and FC APC type female connectors		
F99-00-104G	Short Extended tip for SC APC type female		
	connectors		
F99-00-105G	60 degree angled tip for SC APC type female		
	connectors		
F99-00-106G	Tip for hardened SC APC (Optitap®) female		
F00 00 4030	connectors		
F99-00-107G	Tip for ST PC type female connectors		
F99-00-108G	Short Extended tip for ST PC type female		
	connectors		

^{*}Included standard accessories for Z06-00-040P

GENERAL

General

Camera 1/3" CMOS

Field of View (FOV) $^{\sim}680 \mu m$ to 510 μm

 $\begin{array}{ll} \mbox{Optical Resolution} & \leq 2.0 \ \mbox{μm} \\ \mbox{Detectable Resolution} & 0.5 \ \mbox{μm} \\ \mbox{Light Source} & \mbox{Blue LED} \\ \end{array}$

Focus Manual, 2 mm max travel (±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)



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