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 hand operation
- Robust for field use (no motors or batteries)
- Inspect patch cords and bulkheads
- Supports 12 up to 48 fiber MTP/MPO connector types
- Large field of view (FOV) 425 x 320 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 device
- 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 Connectors *including female MTP/MPO APC and PC tips, MTP adapter for male MTP/MPO connectors, and SM adapter for single fiber connectors [F99-00-133G, F99-00-135G, F99-00-185G, F99-00-186G] with Fiber Scope Expert and Analysis
Z99-00-047P	See Z06-00-040P, but 1-Year warranty, carrying pouch, and tip storage container not included
Z99-99-033P	DI-1000MPO Digital Fiber Inspection Microscope only for Single and Multi-Fiber connectors without any tips or adaptors

Multi-fiber (MTP/MPO) Tips

*F99-00-133G	Front end for female MTP/MPO PC connectors
*F99-00-135G	Front end for female MTP/MPO APC connectors
*F99-00-185G	Standard MTP adapter for male MTP/MPO connectors

Multi-fiber (MTP/MPO) Tips for Male & Female Connectors

F99-00-132G	Extended tip for MTP PC type single row connectors
F99-00-134G	Extended tip for MTP/APC single row connectors
F99-00-138G	Extended tip for MTP APC single and multi-row connectors
F99-00-168G	Extended tip for MTP PC single and multi-row connectors
F99-00-172G	Extended tip kit for MTP PC and APC single and multi-row connectors
F99-00-184G	Tip for OptiTip® APC connectors

Single Fiber Tips

F99-00-078G	Universal 2.5 mm probe tip for PC type male connectors
F99-00-079G	Universal 1.25 mm probe tip for PC type male connectors
F99-00-080G	Probe tip for 1.25 mm male ELIO connectors and termini
F99-00-081G	Universal 2.0 mm probe tip for PC type male termini and LEMO F2
F99-00-082G	Tip for Biconic connectors
F99-00-095G	Tip for SMA 905 male connectors
F99-00-096G	Universal 2.5 mm probe tip for APC type male connectors
F99-00-097G	Universal 1.25 mm probe tip for APC type male connectors
F99-00-098G	Tip for SC and FC PC type female connectors
F99-00-099G	Short Extended tip for FC and SC PC type female connectors
F99-00-100G	Medium Extended tip for FC and SC PC type female connectors
F99-00-101G	Long Extended tip for FC and SC PC type female connectors

F99-00-102G	60 degree angled tip for FC and SC PC type female 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 connectors
F99-00-107G	Tip for ST PC type female connectors
F99-00-108G	Short Extended tip for ST PC type female connectors
F99-00-109G	Medium Extended tip for ST PC type female connectors
F99-00-110G	Long Extended tip for ST PC type female connectors
F99-00-111G	60 degree angled tip for ST female connectors
F99-00-112G	Short Extended tip for E2000 PC type female connectors
F99-00-113G	Medium Extended tip for E2000 PC type female connectors
F99-00-114G	Long Extended tip for E2000 PC type female connectors
F99-00-115G	Tip for E2000 APC type female connectors
F99-00-116G	Tip for LC PC type female connectors
F99-00-117G	Short Extended tip for LC PC type female connectors
F99-00-118G	Medium Extended tip for LC PC type female connectors
F99-00-119G	Long Extended tip for LC PC type female connectors
F99-00-120G	Tip for LC APC type female connectors
F99-00-121G	Tip for MU PC type female connectors
F99-00-122G	Short Extended tip for MU PC type female connectors
F99-00-123G	Medium Extended tip for MU PC type female connectors
F99-00-124G	Long Extended tip for MU PC type female connectors
F99-00-125G	60 degree angled tip for MU PC type female connectors
F99-00-126G	Tip for LEMO female connectors (SMPTE F2)
F99-00-127G	Tip for 2.0 mm female termini
F99-00-128G	Tip for 1.6 mm female termini
F99-00-129G	Tip for ELIO 1.25 mm female connectors
F99-00-130G	Tip for LX.5 PC female connectors
F99-00-131G	Tip for LX.5 APC female connectors
F99-00-137G	Adaptor tip for Westover tips (not all tips supported - check with factory for compatibility)
F99-00-159G	Tip optimized for SC/APC bulkhead adapters (recommended)
F99-00-160G	Medium Extended tip for SC APC type female connectors
F99-00-173G	Low profile tip for inspecting QSFP-DD and OSFP transceivers
*F99-00-186G	Adapter for single fiber connectors
F99-00-191G	Short Extended tip for LC APC type female connectors

Replacement Items

C02-00-019G	Carrying Pouch for Video Fiber Scope with Tips
Z99-99-005G	Container, for Video Fiber Scope Tips

General

Camera	1/3" CMOS
Field of View (FOV)	425 μm to 320 μm
Detectable Resolution	0.5 μm
Light Source	Blue LED
Focus	Manual, 2 mm max travel
Power Supply	USB port of PC
Weight	225g
Dimensions	35 mm diameter x 175 mm length (without tip)
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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