



# DI-1000

## Digital Fiber Inspection Microscope

### Fiber Optics Connector Inspection Scope

The ergonomically designed DI-1000 connects directly to VeEX test sets through its USB 2.0 port. The DI-1000 features an easy single-finger focusing knob, comprehensive list of tips and digital image sensor and optics with detectable resolution to 0.5  $\mu\text{m}$ .



Dirty or scratched connectors introduce loss, increase ORL and can damage other connectors. End-face contamination is a leading cause of fiber link failures in telecom, MSOs, data centers, and corporate network environments.

The ergonomically designed VeEX DI-1000 digital fiber inspection scope provides clear images of the connector's end face. Focusing on the contact areas, the DI-1000 grades the connector's health and cleanliness after it is polished or cleaned. The results determine whether the connector can be used or if it needs to be polished or cleaned again.

### Platform Highlights

- Precise and stable single-finger focus knob
- One hand operation
- Inspect patch cords and bulkheads
- 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)
- Direct USB 2.0 connection to test set or PC
- Powered by USB

- Robust for field use (no motors or batteries)
- Ergonomic design
- Comprehensive line of tips available
- Quick tip replacement

### Auto Focus Detection & Analysis

The DI-1000 is compatible with VeEX test sets offering built-in Pass/Fail analysis with fast and accurate Auto Focus Detection. This technology still relies on the incredible fast response and finesse of human hands, but leaves the focus assessment, image capturing and analysis to the test set. No training is necessary, yet beginners can get it right every time.

- The test set detects when the image has reached optimal focus level, automatically freezes the picture, captures the image and runs the IEC 61300-3-35 analysis
- Much faster focus, acquisition and analysis, compared to slow electro-mechanical auto-focusing scopes
- No need to move the hands or press any buttons (movement and vibration are common causes of focus loss)
- No PC required for image acquisition or Pass/Fail analysis
- Users still remain in control during non-trivial scenarios requiring the irreplaceable human dexterity and ingenuity
- Report generation (html and PDF) directly from the test set
- Compare function for images captured before and after cleaning

## Ordering Information

Z06-00-008P DI-1000 Video Fiber Scope, USB 2.0 Version  
\*including standard PC tips: F99-00-078G,  
F99-00-079G, F99-00-098G, F99-00-116G

### Recommended Accessories

\*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  
F99-00-132G Extended tip for MTP PC type connectors  
F99-00-133G Front end tip for MTP PC type connectors  
F99-00-134G Extended tip for MTP APC type connectors  
F99-00-135G Front end tip for MTP APC type connectors  
F99-00-136G Extended tip kit for MTP PC and APC connectors

### Replacement Items

C02-00-019G Carrying Pouch for Video Fiber Scope with Tips

### General

Field of View	425 µm to 320 µm
Resolution	0.5 µm detectable
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Focus	Manual adjustment, 2 mm max travel
Dimensions	35 mm diameter x 175 mm length (without tip)
Light Source	Blue LED
Power Supply	USB port of PC



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