

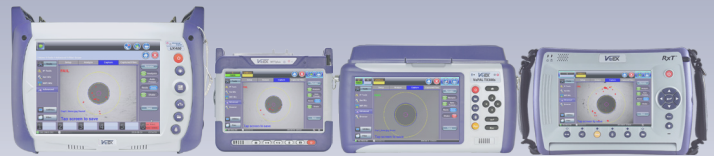


VS-500

Digital Fiber Inspection Microscope

Fiber Optics Connector Inspection Scope

The affordable VS-500 features a single-finger focusing knob, brightness control and a digital sensor with detectable resolution to 0.5 μm , providing excellent image viewing and analysis. A variety of tips for industry standard connector types is available.



Dirty or scratched connectors introduce loss, increase ORL and can damage other connectors. End-face contamination is also the leading cause of fiber link failures in Telecom, MSOs, data centers, and corporate network environments. The VS-500 produces clear images of the connector's end face and displays them on a variety of host devices. Focusing on the contact areas, the scope grades the connector's health and cleanliness after it is polished or cleaned. The critical results determine whether the connector can be used or if it needs to be polished or cleaned again.

Auto Focus detection and automated Pass/Fail analysis is supported using either VeEX test sets or Mobile devices equipped with Fiberizer software. The functionality relies on the fast response and finesse of human hands, but leaves focus assessment, image capturing and analysis to the test set or mobile device. No training is necessary, so even beginners can get it right every time.

Key Features

- 400x magnification when viewed on 8" tablet display
- Bright white LED with On/Off button for illuminating dark work areas
- Brightness adjustment, 30-90%
- 2 Megapixel Image sensor (1920 x 1080)
- Precise and stable single-finger focus knob
- One hand operation
- Inspect patch cords and bulkheads
- Compatible with UX400, TX300 Series, FX150, FX300, CX350 Series, CX380 Series, RXT-1200 and MTT-Plus platforms, iOS/Android Mobile Devices and Windows PCs
- Micro USB to USB cable connection
- Powered by USB 2.0/1.1
- Robust for field use (no motors or batteries)
- Ergonomic design
- Comprehensive line of tips available
- Quick tip replacement

Auto Focus Detection & Image Analysis

- 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
- Fiberizer Desktop Plus software for direct PC connection and analysis
- Fiberizer Cloud image upload support

Ordering Information

Z06-00-018P VS-500 Video Fiber Scope, USB 2.0 Version includes PC type connectors (2.5 mm, LC, SC and FC), and Carrying Pouch

Hardware Options

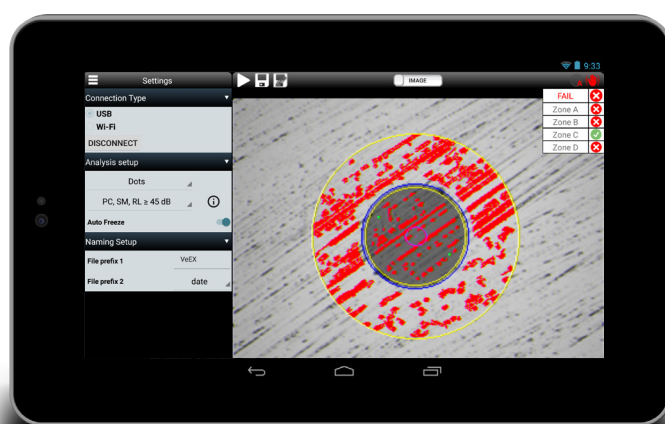
USB ID 500 No options enabled. (Requires controller to activate option)
 USD ID 1500 Includes Fiber Scope Expert
 USB ID 2500 Includes Fiber Scope Expert, Auto Focus Detect and IEC Pass/Fail

Recommended Accessories

Z99-99-028G USB WiFi Bridge and Power Bank for Fiberscope
 The Wireless Adapter allows you to connect your FiberScope wirelessly to an Android™ or iOS device
 F99-00-148G Universal 2.5 mm probe tip for PC type male connectors
 F99-00-149G Universal 1.25 mm probe tip for PC type male connectors
 F99-00-150G Universal 2.5 mm probe tip for APC type male connectors
 F99-00-151G Universal 1.25 mm probe tip for APC type male connectors
 F99-00-152G Tip for SC PC type female connectors
 F99-00-153G Tip for FC PC type female connectors
 F99-00-154G Tip for LC PC type female connectors
 F99-00-155G Tip for SC APC type female connectors
 F99-00-156G Tip for FC APC type female connectors
 F99-00-157G Tip for LC APC type female connectors
 FC02-00-019G Carrying Pouch for Video Fiber Scope with tips

General

Size	18 x 5.6 x 22 cm (L x W x H) 7 x 2.2 x 0.87 in
Weight	110 g (0.24 lb)
Field of View	0.38 mm x 0.28 mm max (up to 0.68 mm x 0.51 mm)
Resolution	<1 µm detectable
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Focus	Manual adjustment, 2 mm max travel
Light Source	Blue LED
Power Supply	USB port of PC



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