FIBER INSTRUMENT SALES, INC.

FIS Fiber Optic Video Microscope Package



F1-VPMKIT200

User Manual

For Tech Support or Service:
Fiber Instrument Sales, Inc.
Phone: 1-800-500-0347
Fax: 315-736-2285

In support of our policy of continuous product improvement we reserve the right to change materials and specifications without notice. Drawings, where used, are not to scale. All dimensions are in millimetres and sizes given are approximate. Where possible, technical MSDS data sheets are made available on the website. All products should be installed and used in accordance with manufacturer's instructions provided. Warning: products may be the subject of registered designs and patents. Refer to website for terms and conditions on warranty.

INTRODUCTION

The FIS Fiber Optic Video Microscope is ideal for inspecting fiber optic connector end-faces in the field. The inspection probe makes it easy to inspect connectors, including those installed within equipment ports and patch panels. The video microscope has a large 5.6" display screen that makes it easy to spot endface contamination or defects that can degrade network performance.

APPLICATIONS

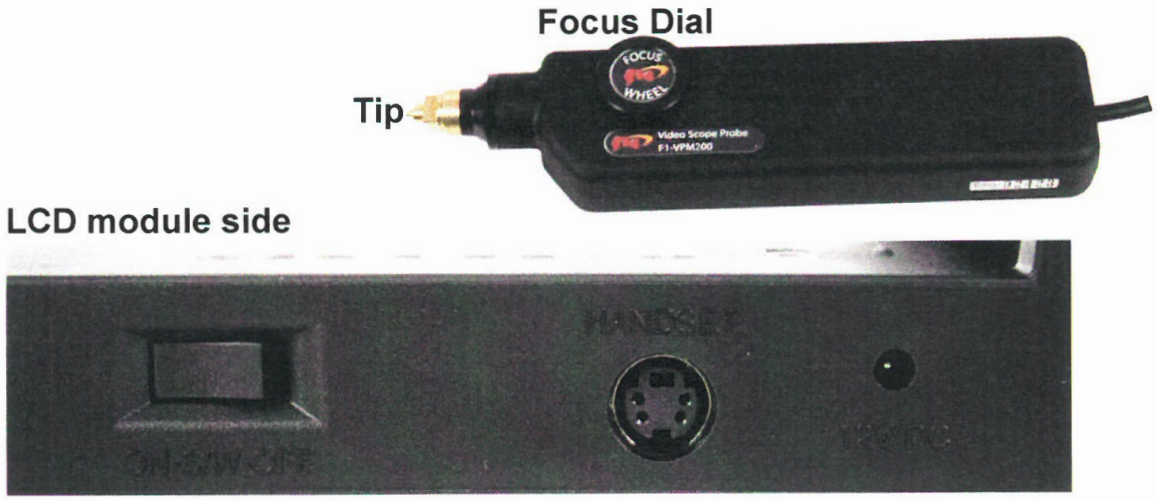
- Fiber Optic Systems
- Fiber Sub-Systems within Copper Networks
- Fiber Optic Modules, including Transceivers
- Test Equipment
- Distribution Patch Panels
- Other Fiber Optic Components

KEY FEATURES

- One handed operation
- Wide 5.6" TFT LCD monitor
- Foldable Monitor with adjustable angle
- Easy focusing and charging by AC 100-220-V
- Save Data on PC via optional USB device
- Brightness & contrast adjustable
- RoHS Compliant

STANDARD PACKAGE

- Handset
- 5.6" LCD Monitor
- Rechargeable Battery
- 2 Probe Tips for female SC/PC - FC/PC and LC/PC
- AC Power Adaptor
- Manual
- Carrying Case
- SC Mating Sleeve
- LC Mating Sleeve
- FC Mating Sleeve



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PRODUCT SETUP

1. Insert the handset plug into connector on the LCD monitor module
2. You may provide power to the unit in either of two ways:

Battery - To power your video microscope in the field, this unit is supplied with a rechargeable battery (Ni-MH, 2700mA, 9.6V). You may work approximately 4 hours on one battery charge. You can check battery status by referring to the LED lamp on the LCD monitor module. When the battery is charged, the LED is green. When recharging is required, the LED is Red. See charging instructions at the end of this manual.

AC Adapter – To use the AC Adapter, insert the adapter jack into the Power Connector port on the LCD module. Plug the other end of the Adapter cord into a standard AC electrical outlet.

Dual-Function Switch – The switch located on the side of the LCD module has two functions. One is to turn the module on and off. The other function, when the switch is turned on, is to supply power to charge the battery. You may use the microscope under AC power while the battery is charging. The LED will be GREEN when the unit is receiving power, either by battery or AC power.

Adjusting Brightness/Contrast – You may adjust the brightness and contrast of the LCD monitor screen by rotating the adjustment wheel located beside the LCD panel.

PC Interface – 400X magnification available when viewing images on a PC via the USB module (included). Images can also be saved on a PC.

Using Handset (Probe) Tips – To accommodate different connectors/adapters, this microscope includes 2 handset tips, SC/PC - FC/PC and LC/PC. Note that the threads on the tip and handset are similar to facilitate easy tip changes.

Once the appropriate tip is installed, turn the monitor on and insert the probe into the female side of the adapter or other optical component that you wish to inspect. You will feel when the probe reaches the edge of the adapter. At that time an image should appear on the monitor. Bring the image into focus by using the FOCUS dial, which can be rotated over 360 degrees.

The handset has an optical lens that expands the endface image, providing a large, clear view. Keep the lens clean and be careful not to touch the lens when exchanging tips.

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Charging Battery

1. Connect the jack of the AC Adapter (provided) into the slot of the LCD monitor module. Turn on the power switch.

2. The LED will be RED when the battery begins charging. The LED will change to GREEN when the battery is fully charged.

Caution:
Don't charge the battery over 8 hours
Don't disassemble Handset or Monitor
Don't use un-approved battery or AC adapter
Don't remove Serial Number Sticker

HARDWARE SPECIFICATIONS

Magnification	200x by 5.6" LCD, 400x by USB or 9" CRT Monitor
Field of Vision	400µm X 300µm
Focus	Manual, Maximum 2mm in and out
CCD	¼" Sharp CCD sensor
Monitor	5.6" TFT LCD
Battery & Power Supply	9.6V 2700mA NH-AA Rechargeable Battery, AC adapter for charging by AC 100-220-V
USB Devices	Video Capture Device with Software for Windows 98/2000/XP
Dimensions	Handset (without Tip) 185mm (L) x 24mm (H) Monitor (when folded) 150 (W) x 125 (D) x 52 (H)mm
Video Output	NTSC (default) or PAL

WARRANTY

This product was carefully inspected prior to shipping. However, if you should find a defect when you first use this product, contact us immediately.

The product is warranted for one year, beginning on the date of purchase. During the warranty period, shipping for a returned product must be prepaid by the customer. FIS will provide repair and replacement for a defective product, according to the terms and conditions of the warranty. The product is expressly NOT COVERED by warranty under the following conditions:

- Loss or damage caused by an unapproved battery or AC adapter
- The serial number sticker is removed
- Using product under abnormal operating conditions
- Loss or damage due to user fault
- Damage caused by disassembly without permission

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