

VFS 1 Video Fiber Scope



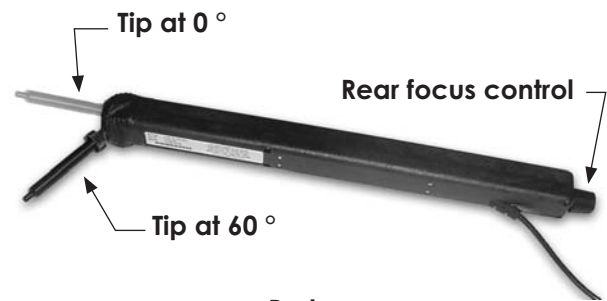
- Easy To Inspect Small Form Factor Connectors
- In-place Inspection Of Fiber Optic Connectors
- Active Matrix Display
- 0° or 60° Probe-Arm Angle
- Portable and Workstation Models Available
- Battery or AC Power
- Internal Charging



Display Unit
VFS 1 and VFS 1-CE



Interface Unit
VFS 1-PC and VFS 1-PCE



Probe

Description

The VFS 1 is a portable video microscope designed to inspect fiber optic connectors through bulkhead adapters.



The VFS 1 can be used to inspect fiber optic connectors installed in patch panels, distribution frames, network equipment, and test equipment.

The VFS 1 is comprised of inspection probe and display unit. The probe includes an internal LED coaxial light source and a miniature CCD video camera. No bulb replacement is required. The front arm of the probe may be used in two positions: straight or 60°. The focus control is located at the rear of the probe. This allows the user to easily focus the probe even while inspecting connectors on equipment back planes or densely packed patch panels. The probe accepts adapter tips that can be quickly changed when inspecting different connector types.

The display unit provides a high contrast, active matrix LCD display. The size and resolution of this display and the resolving power of the optics used in the probe allow detection of pits, scratches, and contamination within the polished end of 125 μm fiber. In addition, a wide field of view allows inspection of the surrounding ferrule to a diameter of at least 250 μm . A video output is provided for an external monitor.

Specifications

Models	VFS 1C	VFS 1C-CE	VFS 1C-PC	VFS 1C-PCE
Configuration	Probe + Display Unit		Probe + Interface Unit	
CE Marking	No	Yes	No	Yes
Video Output	NTSC	PAL	NTSC	PAL
Image Specifications				
Display Size (Display Unit)	5-inch (13 cm) Active LCD		N/A	
Magnification Using the	300X*		N/A	
Display Unit				
Magnification Using an External Display	Depends on display size Example: > 250x with a 9-inch (23-cm) or larger display			
Battery Type	Rechargeable lead-acid		(4) AA alkaline	
Battery Life	> 1 hour		> 4 hours	
Internal charging	Yes		N/A	
AC Adapter	120VAC 60Hz	100-240 VAC 50-60Hz	120VAC 60Hz	100-240 VAC 60 Hz
Size				
Probe	1 x 1 x 15 in (2.5 x 2.5 x 38 cm)			
Display / Interface Unit	5 x 8 x 3 in (13 x 20 x 7.6 cm)		4 x 7.5 x 2 in (10 x 19 x 5 cm)	
Weight				
Probe	7 oz. (0.2 kg)			
Display / Interface Unit	4 lb (1.8 kg)		1 lb (0.45 kg)	
Temperature	0° to +40° C			
Storage Temperature	-10° to +60° C			
Relative Humidity	0 to 95%, non-condensing			

* The VFS 1B instrument is available with the same specifications except for 140X Magnification.

Ordering Information

All VFS 1B models include a video probe, carry case, AC adapter, and user's guide. The VFS 1B and VFS 1B-CE also include a Display Unit with internal charging, neck strap, and one rechargeable lead-acid battery. The VFS 1B-PC and VFS 1B-PCE also include an Interface Unit and (4) AA alkaline batteries.

Adapter tips are required for all VFS B models and must be ordered separately.

Accessories for the VFS 1 and VFS 1-CE

Ext. battery charger, 120VAC, 60 Hz4050-30-0102
 Ext. battery charger, 230VAC, 50 Hz4050-30-0103
 Rechargeable, lead-acid battery.....3900-02-0002

Video Capture PC Card

MRT Micro Video Port Pro.....2000-01-0003
 (requires a PC with available Type II PC Card slot)

Adapter Tips for all VFS 1 Models

1.25 mm (for patch cords)	VFS1-21-0115	Angled FC.....	VFS1-21-0107
2.5 mm (for patch cords)	VFS1-21-0116	Angled SC	VFS1-21-0106
ST	VFS1-21-0105	Angled E-2000.....	VFS1-21-0111
FC	VFS1-21-0109	DIN	VFS1-21-0113
SC.....	VFS1-21-0118	D4.....	VFS1-21-0114
LC.....	VFS1-21-0108	EC.....	VFS1-21-0110
E-2000.....	VFS1-21-0112	Biconic.....	VFS1-21-0117
MU Backplane (kit)	VFS1-91-0201	DS Connector	VFS1-21-0120
Right Angled FC	VFS1-91-0202		

For more information on available products and accessories please call **1-800-321-5298** or visit us at **www.noyes-fiber.com**.

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