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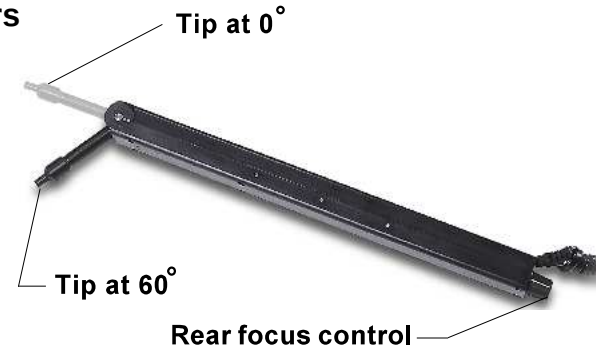
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Find the *AFL / Noyes VFS 1* at our website: ***Click HERE***

VFS 1
VIDEO FIBER SCOPE

NOYES
FIBER SYSTEMS

- **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**



PROBE



INTERFACE UNIT
VFS1-PC and VFS1-PCE



DISPLAY UNIT
VFS1 and VFS1-CE

DESCRIPTION

The VFS 1 is a portable, video microscope designed to inspect fiber optic connectors **through bulkhead adapters**. The VFS 1 can therefore be used to inspect installed fiber optic connectors in patch panels, distribution frames, network equipment, and test equipment.



The VFS 1 comprises an 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 connector specific 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.

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SPECIFICATIONS

Models	VFS1	VFS1-CE	VFS1-PC	VFS1-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 Display Unit	140x		N/A	
Magnification Using an External Display	Depends on display size Example: > 250x with a 9-inch (23-cm) or larger display			
Power				
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 50-60 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"	
Weight				
Probe	7 oz. (0.2 kg)			
Display / Interface Unit	4 lb (1.8 kg)		1 lb (0.45 kg)	
Shipping	16 lb (7.2 kg)		15 lb (6.7 kg)	
Evnironmental Specifications				
Temperature	0° to +40° C			
Storage Temperature	-10° to +60° C			
Relative Humidity	0 to 95%, non-condensing			

Spesification are subject to change

ORDERING INFORMATION

All VFS1 models include a video probe, carry case, AC adapter, and user's guide. The VFS1 and VFS1-CE also include a Display Unit with internal charging, neck strap, and one rechargeable lead-acid battery. The VFS1-PC and VFS1-PCE also include an Interface Unit and (4) AA alkaline batteries. **Adapter tips are required for all VFS1 models and must be ordered separately.**

Accessories for the VFS1 and VFS1-CE

Ext. battery charger, 120VAC, 60 Hz 4050-30-0102
Ext. battery charger, 230VAC, 50 Hz 4050-30-0103
Rechargeable, lead-acid battery.....3900-02-0002
Tripod, (floor standing)..... 2900-10-0005

Video Capture PC Card

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

Adapter Tips for all VFS1 Models (For a complete list, call or check our website)

1.25 mm (for patch cords) VFS1-01-0114
2.5 mm (for patch cords) VFS1-01-0112
FC VFS1-01-0107
SC VFS1-01-0108
ST VFS1-01-0109
LC VFS1-01-0113
E-2000 ..... VFS1-01-0115
MU Backplane (Kit) VFS1-91-0200
Angled FC VFS1-01-0110
Angled SC VFS1-01-0111

Noyes Fiber Systems • 16 Eastgate Park Road • Belmont, NH 03220
Tel: 800-321-5298 • 603-528-7780 • Fax: 603-528-2025
Web Site: www.noyes-fiber.com • E-Mail: info@noyes-fiber.com

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