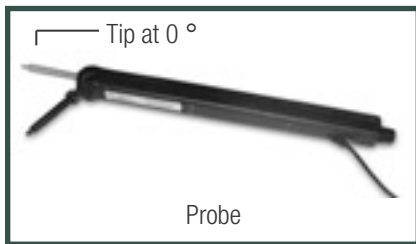




Display Unit  
VFS 1 and VFS 1-CE



Interface Unit  
VFS 1-PC and VFS 1-PCE



Probe

## VFS 1 Video Fiber Scope

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. It consists of an inspection probe with an internal LED coaxial light source, a miniature CCD video camera, and a high resolution active matrix LCD display unit.

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 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 125µm 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. All VFS 1 models include a video probe, carry case, AC adapter, and user's guide. The VFS 1 and VFS 1-CE also include a Display Unit with internal charging, neck strap, and one rechargeable lead-acid battery. The VFS 1-PC and VFS 1-PCE also include an Interface Unit and (4) AA alkaline batteries.

### features

- 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





# VFS 1 Video Fiber Scope

## 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
<b>Image Specifications</b>				
Display Size (Display Unit)	5-inch (13 cm) Active LCD		N/A	
Magnification (using Display Unit)	300X*		N/A	
<b>Display Unit</b>				
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
<b>General Specifications</b>				
Size: Probe	1 x 1 x 15 in (2.5 x 2.5 x 38 cm)			
Size: 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)			
Weight: 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 1 models include a video probe, carry case, AC adapter, and user's guide. The VFS 1C and VFS 1C-CE also include a Display Unit with internal charging, neck strap, and one rechargeable lead-acid battery. The VFS 1C-PC and VFS 1C-PCE also include an Interface Unit and (4) AA alkaline batteries.

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

Accessories for the VFS 1 and VFS 1-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

Video Capture PC Card	
Imperx Video Capture Essentials (requires a PC with available Type II PC Card slot)	2000-01-0003

## Adapter Tips for all VFS 1 Models

1.25 mm (for patch cords)	VFS1-21-0115
2.5 mm (for patch cords)	VFS1-21-0116
ST	VFS1-21-0105
FC	VFS1-21-0109
SC	VFS1-21-0118
LC	VFS1-21-0108
E-2000	VFS1-21-0112
MU Backplane (kit)	VFS1-91-0201
Right Angled FC	VFS1-91-0202

Angled FC	VFS1-21-0107
Angled SC	VFS1-21-0106
Angled E-2000	VFS1-21-0111
DIN	VFS1-21-0113
D4	VFS1-21-0114
EC	VFS1-21-0110
Biconic	VFS1-21-0117
DS Connector	VFS1-21-0120

VFS1-00-2000 Rev. K 03.31.03