

FOCIS WiFi Fiber Optic Connector Inspection System



Features

- Automatic analysis of fiber connector integrity ^a
- IEC 61300-3-35, AT&T TP-76461 and user-defined pass/fail criteria ^a
- Full pass/fail analysis in less than 1 second
- Comprehensive reporting, saving and sharing capabilities via mobile device email, text and web browser
- Free Smartphone and Tablet applications
- Compatible with iPhone and iPad (iOS7)
- Compatible with Android™ 2.3.3 and up

Applications

- Enterprise and Campus Networks
- Data Center patch panels, trunks, patch cords and equipment terminations
- Long-haul, Metro Core and Access Links
- Broadband and CATV Networks
- Access network cabinets and drops

The FOCIS WiFi system combines AFL’s powerful fiber connector inspection and analysis with the familiar ease of a smartphone or tablet. FOCIS WiFi works the way you do – connected to your phone or tablet. FOCIS WiFi enables mobile workers to complete remote fiber optic connector inspection tasks while remaining connected to coworkers and managers.

Three different FOCIS WiFi options are available.

- FOCIS WiFi VIEW – enables users to view live images of a fiber end-face on a smartphone or tablet to check for cleanliness and/or damage.
- FOCIS WiFi PLUS – view, save, compare and share saved end-face images via email, text or mobile cloud applications.
- FOCIS WiFi PRO – automatically analyzes connector integrity according to IEC 61300-3-35, AT&T TP-76461, or user defined standards and save, recall and share results via email, text or mobile cloud applications.

FOCIS WiFi can easily be upgraded from VIEW to PLUS to PRO as your inspection needs change.

The FOCIS WiFi system consists of the proven DFS1 Digital FiberScope and a Portable Application Link WiFi unit. It also includes FOCIS MOBILE, a mobile app available for iPhone and iPad as well as Android mobile devices.

FOCIS WiFi kits include a soft carry case that contains the DFS1 Digital FiberScope, the PAL, an AC adapter/charger, a user guide and a handy holster/belt clip that keeps everything organized and available.

Notes:

a. FOCIS WiFi PRO kits only.



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Specifications ^a

DFS1 Digital FiberScope

OPTICAL PERFORMANCE	
Nominal Magnification	400 x
Field of View	400 x 300 µm
Focus Range	2 mm travel
Optical Resolution	1.0 µm or better
VIDEO PERFORMANCE	
Video Image Resolution	320 x 240 pixels
PHYSICAL CHARACTERISTICS	
Dimensions	35 x 175 mm (without adapter tip)
Weight	200 g
Illumination Source	Blue LED, coaxially aligned
Electrical Connector	USB 2.0 (male)

FOCIS Mobile Application Software

PERFORMANCE	
Displayed Image Resolution	320 x 240 pixels
Video Update Rate	5 frames/second
Connector Inspection Time	500 msec typical
Automatic Detection Capability ^b	1.3 µm particles and scratches
OS Compatibility	Android 2.3 and newer, iOS7 and newer

Notes:

- a. All specifications valid at 23°C ±2°C (73.4°F ±3.6°F) unless otherwise specified.
- b. FOCIS WiFi PRO only.
- c. When used with Nexus 7 tablet.

Ordering Information

MODEL	DESCRIPTION	AFL NO.
FWIFIPRO-213	FOCIS WiFi PRO kit, no tips, no cleaners. Includes DFS1 Digital FiberScope, Portable Application Link with FOCIS WiFi PRO software license, holster/belt clip, AC adapter, soft carry case.	FMPR-00-04XN
FWIFIPLUS-213	FOCIS WiFi PLUS kit, no tips, no cleaners. Includes DFS1 Digital FiberScope, Portable Application Link with FOCIS WiFi PLUS software license, holster/belt clip, AC adapter, soft carry case.	FMPL-00-04XN
FWIFIVIEW-213	FOCIS WiFi VIEW Kit, no tips, no cleaners. Includes DFS1 Digital FiberScope, Portable Application Link with FOCIS WiFi VIEW software license, holster/belt clip, AC adapter, soft carry case.	FMVU-00-04XN
FWIFIPRO UPGD	FOCIS WiFi PRO Upgrade Kit. Includes Portable Application Link with FOCIS WiFi PRO software license, holster/belt clip, AC adapter, soft carry case.	FMPR-01-04XN
FWIFIPL UPGD	FOCIS WiFi PLUS Upgrade Kit. Includes Portable Application Link with FOCIS WiFi PLUS software license, holster/belt clip, AC adapter, soft carry case.	FMPL-01-04XN
FWIFIVIEW UPGD	FOCIS WiFi VIEW Upgrade Kit. Includes Portable Application Link with FOCIS WiFi VIEW software license, holster/belt clip, AC adapter, soft carry case.	FMVU-01-04XN

Portable Application Link

WiFi CHARACTERISTICS	
Protocol	IEEE 802.11 b/g/n
Frequency/Channel	2.4 -2.4835 GHz
SSID	Broadcast On: AFL_XXXXXXXX (contains 9 digit serial number)
Range	2.4 meters minimum
BATTERY	
Type	Internal Li-ion, 5200 mAH rechargeable
Capacity	9.5 hours of continuous operation with DFS1
AC Adapter/Charger	+5VDC @ 1A USB output, 100 - 240VAC 50/60 Hz, 7 hours charging time maximum
PHYSICAL CHARACTERISTICS	
Dimensions	93.8 x 43.1 x 26.0 mm
Weight	129 g
Video Probe connector	USB 2.0 (female)
Network Connector(OEMuseonly)	RG-45

Environmental Performance

Operating Temperature	-10°C to 55°C
Storage Temperature	-20°C to 60°C
Operating Humidity	10% to 80%



AFL International Sales and Service Contact Information

Available at www.AFLglobal.com/NOYES/Contacts