

FOCIS Flex3 – Fiber Optic Connector Inspection System

Easy, Fast, Compact, Tether-free

Features

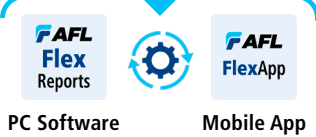
- Large hi-res touchscreen and smartphone-like operation
- Self-contained, tether-free, compact, hand-held inspection solution
- 1-button to auto-focus, center, capture, analyze, and save
- IEC, IPC, AT&T, and user-defined auto-analysis
- Stores 10K images or easily shares data via USB or Bluetooth
- Full reporting capabilities using AFL's FlexReporter® Software Suite

Applications

- Inspect connectors on patch cords or in bulkhead adapters
- Optical network installation, troubleshooting, and maintenance
- Assure critical fiber infrastructure performs properly
- Keep fiber connections working at optimal performance levels
- Verify proper connector cleaning practices are being used



FlexReporter™ Software Suite



The FOCIS Flex3 delivers 100% connector inspection without slowing down the job. A single button press auto-focuses, captures and centers the end-face image, applies Pass/Fail criteria, and logs results. No guesswork and no manual steps required. Its large touchscreen makes contamination immediately visible. Wireless pairing with a FlexScan® OTDR or smart device combines inspection and OTDR data into a single unified report. Compact enough to carry everywhere, straightforward enough to use every time.

Works where you work: Fully self-contained with a large integrated display and rechargeable battery, the FOCIS Flex3 goes wherever the job takes you without the need for an external OTDR or tethered display unit.

Connected when you need it: Pair wirelessly with a FlexScan® OTDR or any smart device running AFL's free FlexApp and get instant access to captured images and Pass/Fail results, formatted, shareable, and ready for client delivery.

Built-in storage: Holds up to 10,000 results with FlexScan-compatible file naming so your workflow stays consistent across devices. Micro-USB connectivity supports fast PC uploads and firmware updates.

A tip for every connector: Interchangeable adapter tips cover the full spectrum including single-fiber and multi-fiber patch cords and bulkhead-mounted connectors with PC and APC polished end-faces. One tool handles the job, whatever form it takes.

Bundled kits for significant savings: Choose a bundled kit that includes adapter tips, a soft carry case, and a Basic license for FlexReporter Software Suite.

Full reporting capabilities: Inspection results may be stored and transferred to the FlexReporter Software Suite. Results data is wirelessly transferred via FlexApp (iOS/Android) to FlexReporter cloud-enabled storage for full reporting with FlexReports PC software.

FOCIS Flex3 – Fiber Optic Connector Inspection System

Product Highlights



Intuitive User Interface



Hand-held Inspection Scope



Comprehensive Reporting



USB Power Port /Data Sharing

A tip for every connector
Interchangeable adapter tips cover the full spectrum of single-fiber patch cords and bulkhead-mounted connectors with PC and APC polished end-faces

Large integrated display
Large touchscreen displays simple-to-use interface and instantly visible inspection Pass/Fail analysis

Clear Pass/Fail results in seconds
Captured Pass/Fail analysis are easily viewed in either Image or Table view

Easy reporting and results sharing
AFL's FlexReporter® Software Suite simplifies report generation and results sharing



User Interface Highlights

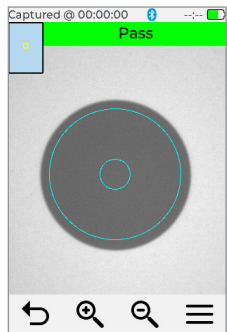


Image View - Pass Results

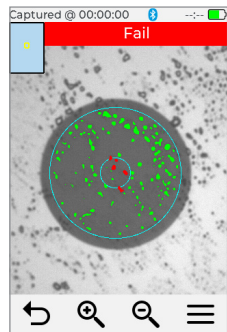


Image View - Fail Results

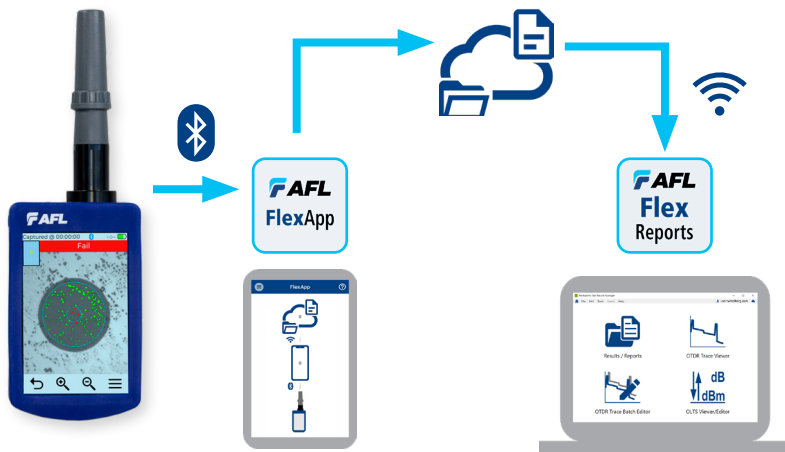
Fail		
IEC Ed3:PC, SM, ORL>45dB		
ABC		
A	2-3 μm: 1	
	≥3 μm: 0	>3 μm: 5
B	>25 μm: 0	
C		
D	5-10 μm: 0	
	>10 μm: 0	

Table View - Fail Results

Pass/Fail results are instantly displayed in your choice of Image or Table view.

Image View overlays Pass/Fail regions directly on the end-face image with failing scratches and defects highlighted in red and passing ones in green.

Table View breaks down results by analysis zone (A, B, C, D), showing the applied rule alongside individual scratch and defect results for each zone.



Test Results Wireless Transfer to Cloud-enabled FlexReports PC Software

Using AFL's free FlexApp (iOS/Android), inspection results may be wirelessly transferred to AFL's FlexReporter® cloud-enabled storage. Then results can be accessed via FlexReports PC software that provide a variety of easy-to-use options for report generation.

FOCIS Flex3 – Fiber Optic Connector Inspection System

Specifications^(a)

Optical Performance	
Field of View (FOV; viewed on FOCIS Flex3)	Live: 708 x 958 mm and 645 x 890 mm. Captured: 708 x 806 mm
Field of View (FOV; viewed on a PC)	Single Fiber: 708 x 958 mm
Manual Detection Capability (minimum)	0.25 mm
Auto Analysis Resolution	<1.0 mm
Internally-stored Image Size (pixels)	2560 x 1920 JPG file, 678 x 678 pixels .GIF file
Bluetooth Image & Overlay	2 x QVGA (320 x 240; image + overlay) to AFL test instruments 2 x VGA (640 x 480; image + overlay) files to Apple iOS and Android devices (IAP / MFi)
Maximum No Damage Live Fiber Power Level	+20 dBm; Image cannot be viewed if fiber is live
Focus Methods	Auto-focus and manual focus
Centering	Auto-centering captured single fiber images
Zoom in Live, Capture, and Save modes	x1 / x3 / x6 zoom
Image Capture with Pass/Fail Analysis	IEC 61300-3-35 ED2/ED3, AT&T TP-76461, IPC-8497-1, user-set criteria
Results Storage (Image and Pass/Fail Results)	Yes
File Format	jpg, gif
File Storage Capacity	10,000 files
Result Storage Capacity	1500
Operating Features	Specification
Display Size, Type, Resolution	3,5", color TFT, touch screen with backlit, 320 x 480 with brightness control
Battery Type	Li-Pol, user replaceable
Supported Languages	English, Finnish, French, German, Italian, Japanese, Polish, Russian, Spanish, Turkish, Danish
Bluetooth Characteristics	IAP (iPod accessory protocol), SPP 0x1101, Apple MFi
USB Characteristics	Connector USB-C, charging, USB 2.0 mass storage device
Physical and Power Characteristics	Specification
Operating Time (typical)	8 hours ^(b) ; 5 hours continuous ^(b)
Power Save Features	Auto-off (disabled, 2, 5, 10 min)
Recharge Time ^(c)	≤4 hours
Low-Battery Warning	Alerts when ≤15 minutes battery operation remains
Size	67 x 32 x 225 mm (2.7 x 1.3 x 8.8 in.)
Weight	280 g (0.62 lb)
Safety and Compliance Certifications	UL, CE, FCC
Environment Parameters	Specification
Storage Temperature	-40 °C to +70 °C
Operating Temperature °C	0 °C to +50
Relative Humidity	0 to 95% RH
Vibration Limits	2G (transportation)
Transit Drop (without soft case)	300 mm (12 inches, all sides, dust cover installed)
Transit Drop (with soft case)	460 mm (18 inches, all sides, dust cover installed)

Notes:

- a. All specifications valid at 23 °C unless otherwise specified.
- b. Operating conditions: 60 tests in 20 minutes, then auto-off; Repeat each hour.
- c. Charging time data is provided for USB-C 2A charger supported Power Delivery 3.0.
- d. Note 2: Charging time data is provided for USB-C 2A charger supported Power Delivery 3.0.

FOCIS Flex3 – Fiber Optic Connector Inspection System

Ordering Information

AFL NO.	Description
FOCIS-FLEX3-N	FOCIS Flex3 Kit, soft carry case, USB cable, AC charger, FlexReports-Basic software, no tips
FOCIS-FLEX3-LCU	FOCIS Flex3 Kit, soft carry case, USB cable, AC charger, FlexReports-Basic software, 2 LC UPC adapter tips (ferrule and bulkhead)
FOCIS-FLEX3-LCA	FOCIS Flex3 Kit, soft carry case, USB cable, AC charger, FlexReports-Basic software, 2 LC APC adapter tips (ferrule and bulkhead)
FOCIS-FLEX3-SCU	FOCIS Flex3. Kit, soft carry case, USB cable, AC charger, FlexReports-Basic software, 2 SC UPC adapter tips (ferrule and bulkhead)
FOCIS-FLEX3-SCA	FOCIS Flex3 Kit, soft carry case, USB cable, AC charger, FlexReports-Basic software, 2 SC APC adapter tips (ferrule and bulkhead)

FOCIS Flex Adapter Tips (Contact AFL for adapter tips for other connector types)

AFL NO.	Description
FFLX-01-SC	SC-UPC bulkhead adapter tip
FFLX-01-FC	FC-UPC bulkhead adapter tip
FFLX-01-ST	ST-UPC bulkhead adapter tip
FFLX-01-LC	LC-UPC bulkhead adapter tip
FFLX-01-U25	Universal 2.5 mm, UPC ferrule adapter tip
FFLX-01-U125	Universal 1.25 mm, UPC ferrule adapter tip
FFLX-4S-ASC	SC-APC bulkhead adapter tip
FFLX-4S-AFC	FC-APC bulkhead adapter tip
FFLX-4S-ALC	LC-APC bulkhead adapter tip
FFLX-01-A25	Universal 2.5 mm, APC ferrule adapter tip
FFLX-01-A125	Universal 1.25 mm, APC ferrule adapter tip
FFLX-01-EXTS46	FOCIS Flex adapter extension tube, straight, 46 mm
FFLX-01-EXTS80	FOCIS Flex adapter extension tube, straight, 80 mm:
FFLX-4S-E2K	E2000 PC/UPC bulkhead adapter tip
FFLX-4S-AE2K	E2000/APC bulkhead adapter tip
FFLX-4S-OTA	Tip for SC/APC (OptiTap®) bulkhead adapter


FOCIS Flex3 – Fiber Optic Connector Inspection System

Test Management and Reporting Software

FlexReports Basic software is available as a free download on AFL's Software Resources webpage. FlexReports Basic includes a 60-day Advanced software trial. Once the evaluation period ends, users must upgrade to a FlexReports Advanced software license to continue using FlexReports Advanced features.


AFL NO.	Description
RPTS-AD-USB-1	FlexReports Advanced, one seat license on USB
RPTS-UP-TRM3-1	FlexReports Advanced, one seat, Upgrade from TRM® 3 Advanced on USB. Users must have TRM-3 Advanced license
FlexReports Basic	FlexReports Basic, available for download on AFL Software Resources website
FlexApp	FlexApp data transfer mobile App, available on Google Play and Apple App Store

Recommended Products



FlexScan® FS300 (Quad) and FS200 (SM) OTDRs

- SmartAuto® 1-button automated testing for fast results
- LinkMap® color-coded icons for easy troubleshooting
- Flexpress® mode (FS200) completes OTDR test in <5 seconds!
- Integrated Source, Power Meter and VFL



OFI-BIPMe Optical Fiber Identifier

- World class signal sensitivity
- Trigger lock, positive stop for optimum detection
- Integrated optical power meter option

Qualifications

Category	Regulation/Standard	Qualification
CE Marking	EU	Compliant to relevant EU Directives on health, safety, and environmental protection, and certified with CE marking
Safety /EMC /EMI	IEC	Compliant to IEC 61010-1 for safety requirements for electrical equipment
	EN	Compliant to EN 61010-1 for safety requirements for electrical equipment
	IEC	Compliant to IEC 61326-1 for EMC requirements for electrical equipment
	EN	Compliant to EN 61326-1 for EMC requirements for electrical equipment
	EN	Compliant to EN 55011 for EMC requirements for industrial, scientific and medical equipment
	FCC	Compliant to code of federal regulations FCC 47 CFR 15 on unlicensed transmissions
RoHS	EU	Compliant to EU regulations Directive 2011/65/EU (RoHS 2) and Directive 2015/863 (RoHS 3)
Test Method	IEC	Compliant to IEC 61300-3-35 for visual inspection of fiber optic connectors and fiber-stub transceivers
	IPC	Compliant to IPC-8497-1 for cleaning methods and contamination assessment for optical assembly

Contact Sales@AFLglobal.com to schedule a demonstration or learn how to buy.

Visit www.AFLglobal.com/Test to learn more about FOCIS Flex3.

International Sales and Service Contact Information available at www.AFLglobal.com/Test/Contacts