

## FOCIS WiFi2™ Fiber Optic Connector Inspection System



### Features

- Trim, lightweight, ergonomic and highly productive tool
- App-based automatic and manual focus; auto-centering after image capture
- One button workflow using rapid LED feedback on probe
- Multi-color LED on probe for fast pass/fail user inspection feedback
- Pairs with an iOS or Android smart device or the aeRos® cloud-based workflow management platform
- IEC, IPC, AT&T and user-defined pass/fail analysis when paired with a smart device
- Wide range of adapter tips including MPO/MTP multi-fiber connectors and bulkheads
- Over 8 hours operation with rechargeable Li-Ion battery

### Applications

- Inspection of connectors on patch cords or in bulkhead adapters
- Installation, troubleshooting and maintenance of fiber network
- Inspection of multi-fiber connectors including MPO16 and MXC®
- Critical fiber infrastructure performance assurance
- Verification of proper connector cleaning methods of procedure

FOCIS WiFi2 is an ergonomic Fiber Optic Connector Inspection System that, when paired with an iOS or Android smart device, provides fast and accurate IEC/IPC/AT&T compliant and user-defined pass/fail end-face cleanliness analysis. Free of charge iOS and Android companion apps support a comprehensive and user-friendly feature set.

**Pass/fail results in seconds:** With the press of a single button, FOCIS WiFi2 auto-focuses, captures, centers and analyzes the end-face image to industry standard IEC 61300-3-35 (2015), IPC-8497-1, AT&T TP-76461 and user-defined criteria.

**Untethered operation:** App-based report generator with results/reports transferable to the aeRos cloud. With rechargeable battery and convenient pass/fail LED feedback, FOCIS WiFi2 can be used semi-independently.

**Wide range of adapter tips:** Interchangeable adapter tips support single and multi-fiber connector inspection for a wide range of patch cords and bulkhead-mounted connectors having either PC/UPC or APC polished end-faces.

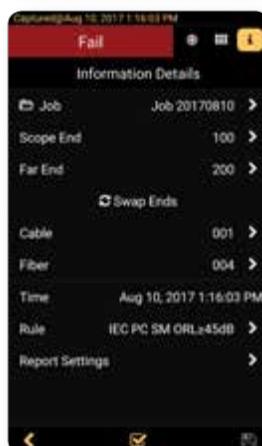
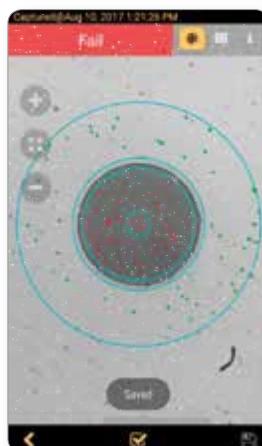
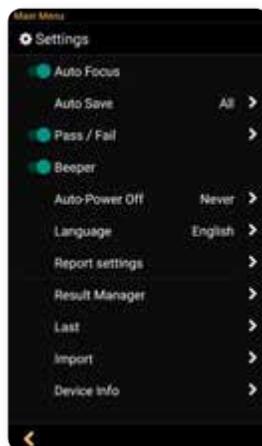


IEC 61300-3-35



IPC 8497-1

## FOCIS WiFi2™ Fiber Optic Connector Inspection System



### Smart Device Apps: FOCIS WiFi2

#### Features

- Live image video streaming
- Auto-focus and auto centering
- IEC, IPC, industry standard, and user-defined inspection rules
- Pinch-to-zoom fiber end-face images
- Report generation
- Multi-language Graphical User Interface (GUI)
- Day/time stamped job saving

## FOCIS WiFi2™ Fiber Optic Connector Inspection System

### Specifications<sup>a</sup>

OPTICAL PERFORMANCE		PHYSICAL AND POWER CHARACTERISTICS	
Field of View (FOV) <sup>b</sup>	Live and Captured: 612 x 460 µm;	Battery Type	Li-Ion, non-replaceable by user
Manual Detection Capability (minimum)	0.25 µm	Maximum Charger Current Draw	1.2A, battery charge current + device consumption current
Auto Analysis Resolution	<1.0 µm	Operating Time (typical)	60 hours <sup>d</sup> ; 8 hours continuous
Stored <sup>c</sup> Image Size	2592 x 1944 (5M) pixels	Recharge Time	≤4 hours
End-face Illumination	Coaxial blue LED 476 nm	Low-Battery Warning	Viewed on smart device
Maximum No Damage Live Fiber Power Level	+20 dBm (Image cannot be viewed if fiber is live)	Charging LED Status; viewed on smart device	Red = Charging, Green = Fully Charged, Blinking Red/Green = Battery Fault
OPERATING FEATURES		Power Save Features (Controlled by iOS & Android App)	Probe Auto-Off – disabled, 5, 10, 30, 60 minutes; Probe WiFi Not Connected – 5 minutes
WiFi Characteristics	IEEE 802.11bgn	AC Charger Voltage, Frequency, Current	100-240VAC, 50/60Hz, 5VDC, 2A
Focus	Auto-focus (<3 sec) and manual focus	Charger Jack	0.9 x 3.2 mm barrel, center (tip) positive
Centering	Auto-centering (<1 sec)	Size (Max Diameter x Length)	Ø 40 x 226 mm (Ø 1.6 x 8.9 in)
Button Functionality	Power On/Off (>3 secs); Capture/Analysis/Auto-save/Live	Weight	150 g (5.3 oz)
Main LED Functionality	Blue = Power On, Green = Pass, Red = Fail, White = No Fiber	Safety & Compliance Certifications	UL, CE, FCC Part 15
Live Image Frames per Second	15	ENVIRONMENTAL CHARACTERISTICS	
Magnification <sup>b</sup>	Variable from 80X to 700X, in Live and Capture modes	Operating Temperature	0 to +50 °C
Applications Compatibility	Android ≥4.0.3, iOS ≥8.1	Storage Temperature	-40 to +70 °C
Image Capture with Pass/Fail Analysis <sup>c</sup>	IEC 61300-3-35 (2015), AT&T TP-76461, IPC-8497-1, user-set criteria	Relative Humidity	95%, non-condensing
Image File Format	JPEG, GIF	Vibration Limits	2G (transportation)
Image & Pass/Fail Results Storage <sup>c</sup>	Yes		
File Storage Capacity <sup>c</sup>	Unlimited		
Result Manager <sup>c</sup>	Storage, rename, delete, transfer		
Reporting <sup>c</sup>	Built-in fillable PDF reporter		
Supported Languages <sup>c</sup>	English, French, German, Japanese, Korean, Russian, Spanish		

#### Notes:

- a. All specifications valid at 23°C ±2°C (73.4°F ±3.6°F).
- b. Viewed on Smart Device.
- c. In iOS & Android Apps.
- d. Operating conditions: 60 tests in 20 minutes, then auto-off; Repeat each hour

### Ordering Information

DESCRIPTION	AFL NO.
FOCIS WiFi2 Kit, soft carry case, AC charger, with NO tips or One-Click cleaner	FOCIS-WIFI2-N
FOCIS WiFi2 Kit, soft carry case, AC charger, user-selected: (2) UPC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOCIS-WIFI2-U
FOCIS WiFi2 Kit, FOCIS WiFi2, soft carry case, AC charger, user-selected: (2) APC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOCIS-WIFI2-A
FOCIS WiFi2 Kit, soft carry case, AC charger, user-selected: (2) UPC and (2) APC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOCIS-WIFI2-UA

