FOCIS WiFi2™ Fiber Scope

Description

FOCIS WiFi2™ is an ergonomic Fiber Optic Connector Inspection Scope that, when paired with an iOS or Android smart device, provides fast and accurate IEC/IPC compliant and user-defined pass/fail end-face cleanliness analysis. 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, and user-defined limits. iOS and Android companion apps are downloadable free of charge and support a comprehensive and user-friendly feature set including PDF report generation.

Features and Benefits

- App-based automatic and manual focus; auto-centering after image capture
- Multi-color LED on probe for fast pass/fail user inspection feedback
- IEC, IPC, AT&T and user-defined pass/fail analysis when paired with a smart device
- Over 8 hours operation with rechargeable Li-Ion battery

- One button workflow using rapid LED feedback on probe

- Pairs with an iOS or Android smart device

- Wide range of adapter tips including MPO/MTP multi-fiber connectors and bulkheads

Applications

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

Specifications

OPTICAL PERFORMANCE	
Field of View (FOV)	Live and Captured: 612 x 460 µm;
Manual Detection Capability (minimum)	0.25 µm
Auto Analysis Resolution	<1.0 µm
Stored Image Size	2592 x 1944 (5M) pixels
End-face Illumination	Coaxial blue LED 476 nm
Maximum No Damage Live Fiber Power Level	+20 dBm (Image cannot be viewed if fiber is live)

OPERATING FEATURES	
WiFi Characteristics	IEEE 802.11bng
Focus	Auto-focus (≤3 sec) and manual focus
Centering	Auto-centering (<1 sec)
Button Functionality	Power On/Off (>3 secs); Capture/Analysis/Auto-save/Live
Main LED Functionality	Blue = Power On, Green = Pass, Red = Fail, White = No Fiber
Live Image Frames per Second	15
Magnification	Variable from 80X to 700X, in Live and Capture modes
Applications Compatibility	Android ≥4.0.3, iOS ≥8.1
Image Capture with Pass/Fail Analysis	IEC 61300-3-35 (2015), AT&T TP-76461, IPC-8497-1, user-set criteria
Image File Format	JPEG, GIF
Image & Pass/Fail Results Storage	Yes
File Storage Capacity	Unlimited
Result Manager	Storage, rename, delete, transfer
Reporting	Built-in fillable PDF reporter
Supported Languages	English, French, German, Japanese, Korean, Russian, Spanish

PHYSICAL AND POWER CHARACTERISTICS	
Battery Type	Li-Ion, non-replaceable by user
Maximum Charger Current Draw	1.2A, battery charge current + device consumption current

PHYSICAL AND POWER CHARACTERISTICS

Operating Time (typical)	60 hours d; 8 hours continuous
Recharge Time	≤4 hours
Low-Battery Warning	Viewed on smart device
Charging LED Status; viewed on smart device	Red = Charging, Green = Fully Charged, Blinking Red/Green = Battery Fault
Power Save Features (Controlled by iOS & Android App)	Probe Auto-Off – disabled, 5, 10, 30, 60 minutes; Probe WiFi Not Connected – 5 minutes
AC Charger Voltage, Frequency, Current	100-240VAC, 50/60Hz, 5VDC, 2A
Charger Jack	0.9 x 3.2 mm barrel, center (tip) positive
Size (Max Diameter x Length)	Ø 40 x 226 mm (Ø 1.6 x 8.9 in)
Weight	150 g (5.3 oz)
Safety & Compliance Certifications	UL, CE, FCC Part 15

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	0 to +50 °C
Storage Temperature	-40 to +70 °C
Relative Humidity	95%, non-condensing
Vibration Limits	2G (transportation)

Ordering Information

PART NUMBER	DESCRIPTION
FOCIS-WIFI2-N	FOCIS WiFi2 Kit with NO tips
FOCIS-WIFI2-U	FOCIS WiFi2 Kit with 2 user-selected UPC adapter tips (ferrule and bulkhead)
FOCIS-WIFI2-A	FOCIS WiFi2 Kit with 2 user-selected APC adapter tips (ferrule and bulkhead)
FOCIS-WIFI2-UA	FOCIS WiFi2 Kit with 4 user-selected UPC & APC adapter tips (ferrule and bulkhead)
FFLX-01-SC	SC/UPC bulkhead
FFLX-01-FC	FC/UPC bulkhead
FFLX-01-ST	ST/UPC bulkhead
FFLX-01-LC	LC/UPC bulkhead
FFLX-4S-ASC	SC/APC bulkhead, quad slotted
FFLX-4S-AFC	FC/APC bulkhead, quad slotted
FFLX-4S-ALC	LC/APC bulkhead, quad slotted with internal prism
FFLX-01-U25	Universal 2.5 mm, UPC ferrule
FFLX-01-A25	Universal 2.5 mm, APC ferrule
FFLX-01-U125	Universal 1.25 mm, UPC ferrule
FFLX-01-A125	Universal 1.25 mm, APC ferrule

Each FOCIS WiFi2 Kit includes: FOCIS WiFi2 probe with wrist strap and dust cap, AC charger with country-specific plug, quick reference guide, and soft carry case with strap. Choose between SC, ST, FC and LC adapter tips for UPC Kits. SC, FC and LC for APC kits

Related Products

FOCIS Flex Fiber Scope	FOCIS Lightning MPO/MTP® Fiber Scope	OTDR Fiber Rings