



FOD6003 Optic Connector Inspection Screwdriver

Features

- Trim, lightweight, ergonomic and highly productive tool
- App-based automatic and manual focus; auto-centring after image capture
- One button workflow using rapid LED feedback on probe
- Multi-colour LED on probe for fast pass/fail user inspection feedback
- Pairs with an iOS or Android smart device and can interact with a cloud-based workflow management platform
- IEC, IPC, end user-defined pass/fail analysis when paired with a smart device
- Wide range of adapter tips including MPO/MTP multi-fibre 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 fibre network
- Inspection of multi-fibre connectors including MPO16 and MXC®
- Critical fibre infrastructure performance assurance
- Verification of proper connector cleaning methods of procedure

FOD6003 is an ergonomic Fibre Optic Connector Inspection System 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. 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, FOD6003 auto-focuses, captures, centres and analyses the end-face image to industry standard IEC 61300-3-35 (2015), IPC-8497-1 and user-defined criteria.

Untethered operation: App-based report generator with results/reports transferable to the cloud. With rechargeable battery and convenient pass/fail LED feedback, FOD6003 can be used semi-independently.

Wide range of adapter tips: Interchangeable adapter tips support single and multifibre 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

Sales and Service Contact Information

Available at www.Frame.co.uk

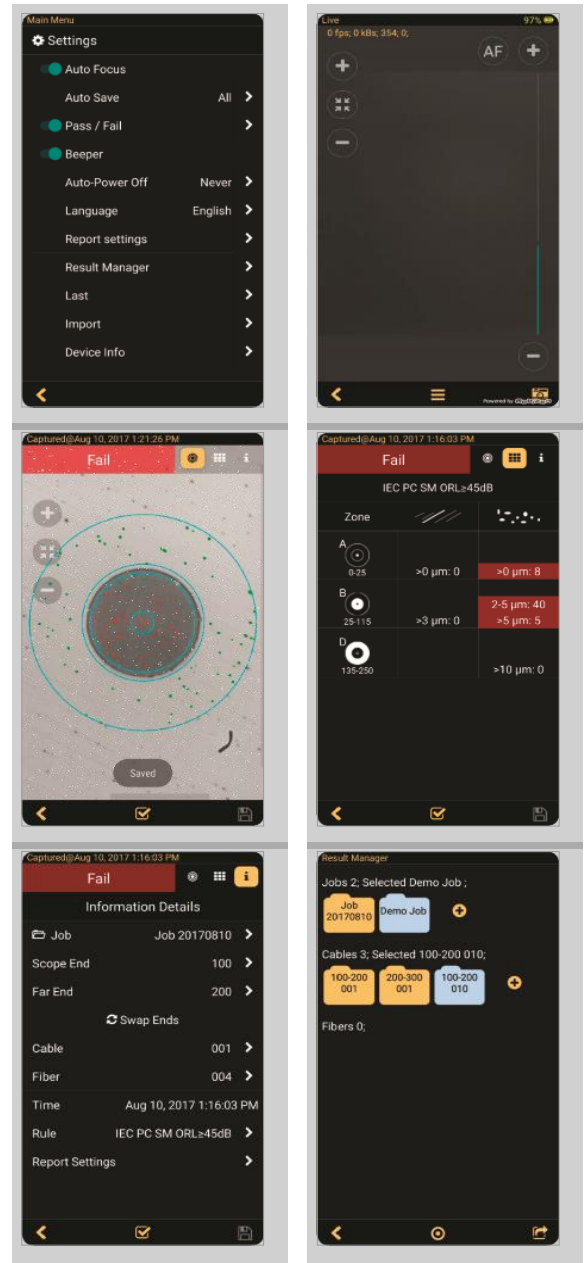


Smart Device Apps: FOD6003 Android App store



Features

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



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Specification Sheet

Specifications ^a

OPTICAL PERFORMANCE	
Field of View (FOV) ^b	Live and Captured: 612 x 460 µm;
Manual Detection Capability (minimum)	0.25 µm
Auto Analysis Resolution	<1.0 µm
Stored ^c Image Size	2592 x 1944 (5M) pixels
End-face Illumination	Coaxial blue LED 476 nm
Maximum No Damage Live Fibre Power Level	+20 dBm (Image cannot be viewed if fibre 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 Fibre
Live Image Frames per Second	15
Magnification ^b	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 ^c	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 ^c	Yes
File Storage Capacity ^c	Unlimited
Result Manager ^c	Storage, rename, delete, transfer
Reporting ^c	Built-in fillable PDF reporter
Supported Languages ^c	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
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)	∅ 40 x 226 mm (∅ 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)

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.
FOD6003 Kit1, soft carry case, AC charger, with NO tips or One-Click cleaner	FOD6003K1
FOD6003 Kit2, soft carry case, AC charger, user-selected: (2) UPC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOD6003K2
FOD6003Kit1, soft carry case, AC charger, user-selected: (2) APC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOD6003K1-A

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Specification Sheet

FOD6003Kit, soft carry case, AC charger, user-selected: (2) UPC and (2) APC ferrule & bulkhead adapter tips and (1) One-Click cleaner	FOD6003K2-UA
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