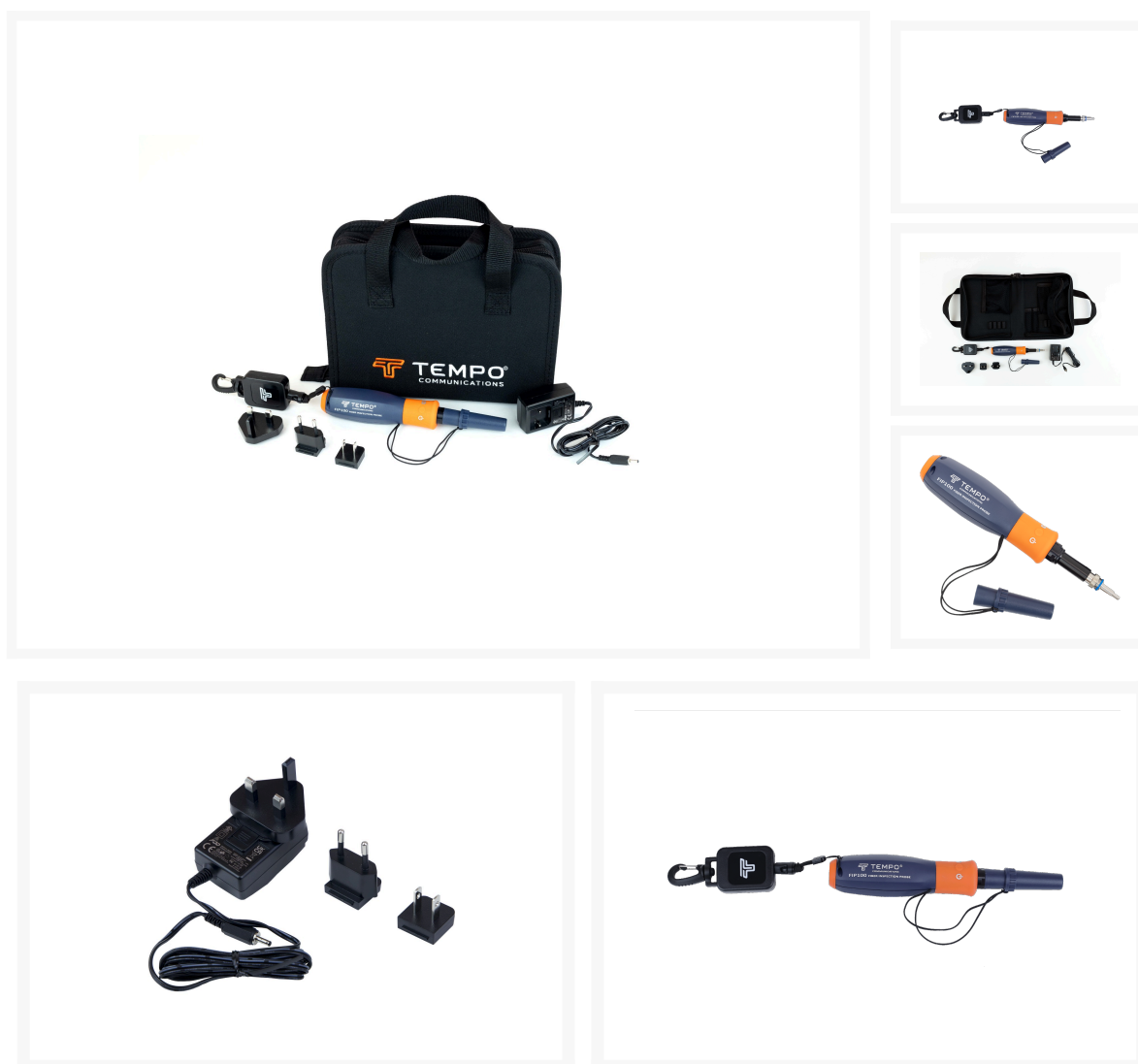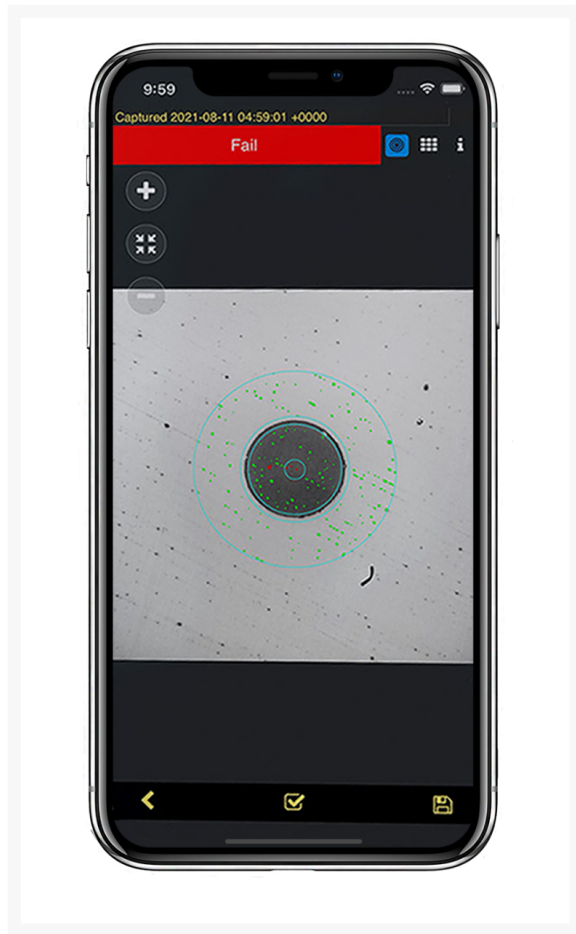# Fibre Inspection Probe Kit

Product Images   **Product Code: C00-9901**

Short Description

The FIP100 is a fully automated inspection tool that provides fast and reliable analysis of fibre optic connector end faces and bulkheads. With a single button press, the FIP100 automatically focuses, captures an image of the connector end face and provides a pass/fail result. The pass/fail status of the connector is instantly reported via a red/green LED on the probe. Detailed results are shown on the iOS or Android app, which provides PDF report generation and sharing. Both apps are pre-loaded with pass/fail requirements from IEC 61300-3-35, as required by all major telecommunications service providers.

Product Features

- Test ferrule end faces and bulkheads compliant to IEC61300-3-35
- Single-handed, one button operation
- Auto focus, auto capture, auto test
- LED pass/fail indicator on probe
- Small form factor enables inspection of difficult to reach ports
- Create and share reports on Android and iOS devices
- IEC, IPC and user defined inspection criteria
- Wide range of adapter tips

Applications

- Verify connector cleanliness before connecting
- Certify connector condition on installation
- Document connector damage when troubleshooting
- Inspection is essential for proper fibre handling in all networks

Pass/fail results in seconds: With the press of a single button, the FIP100 auto-focuses, captures, centers, and analyses the end[1]face image to industry standard IEC 61300-3-35, IPC-8497-1, AT&T TP-76461 and other user-defined criteria.

Untethered operation: One-button operation and pass/fail LED indicator enables operation without reference to the mobile app.

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

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 = Connected to App, Green = Pass,
- Red = Fail
- 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, AT&T TP-76461, IPC[1]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 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)

Description

The FIP100 is a fully automated inspection tool that provides fast and reliable analysis of fibre optic connector end faces and bulkheads. With a single button press, the FIP100 automatically focuses, captures an image of the connector end face and provides a pass/fail result. The pass/fail status of the connector is instantly reported via a red/green LED on the probe. Detailed results are shown on the iOS or Android app, which provides PDF report generation and sharing. Both apps are pre-loaded with pass/fail requirements from IEC 61300-3-35, as required by all major telecommunications service providers.

Product Features

Test ferrule end faces and bulkheads compliant to IEC61300-3-35
Single-handed, one button operation
Auto focus, auto capture, auto test
LED pass/fail indicator on probe
Small form factor enables inspection of difficult to reach ports
Create and share reports on Android and iOS devices
IEC, IPC and user defined inspection criteria
Wide range of adapter tips

Applications

Verify connector cleanliness before connecting
Certify connector condition on installation
Document connector damage when troubleshooting
Inspection is essential for proper fibre handling in all networks

Pass/fail results in seconds: With the press of a single button, the FIP100 auto-focuses, captures, centers, and analyses the end[1]face image to industry standard IEC 61300-3-35, IPC-8497-1, AT&T TP-76461 and other user-defined criteria.

Untethered operation: One-button operation and pass/fail LED indicator enables operation without reference to the mobile app.

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

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 = Connected to App, Green = Pass,
Red = Fail
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, AT&T TP-76461, IPC[1]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 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)