PEC SHEET

Intelligent Fiber Inspection and Certification Test Set

THE ESSENTIAL TESTING TOOL KIT FOR FTTx SERVICE ACTIVATION AND CERTIFICATION



A versatile combination: fiber inspection probe with analysis software, optical power meter and a complete IP test suite—all housed on the FTB-1 platform. Discover the perfect field-testing solution for fast, clear physical-layer status during service activation, as well as on-the-go IP triple-play certification.

KEY FEATURES

Fiber inspection with automated connector endface analysis

FTTx service activation and troubleshooting (physical and IP layers)

Triple-play service certification, outside and inside the premises

Power measurement for multiple applications (LAN/WAN, telcos, CATV/MSOs, DWDM testing)

Standard kit includes

Single magnification Fiber Inspection Probe (FIP-400)

FTB-1 Platform with:

- > Integrated optical power meter
- > Integrated VFL
- > Large 178 mm (7") touchscreen color display (800 x 480; TFT)
- > 8 GB built-in memory (stores over 4000 inspection results)

Empty backplane module

(expandable test capabilities with optional optical or Ethernet test modules)

Enhance your test set with optionnal:

ConnectorMax Analysis Software (IEC/IPC-compliant network acceptance)

EXpert Test Tools software bundles for IP-based service testing

High-power optical power meter for CATV and CWDM testing

Dual-magnification fiber inspection probe

Basic or deluxe cleaning accessories

FTB-1 utility glove with shoulder strap



PHYSICAL-LAYER TESTING

Use the Intelligent Fiber Inspection and Certification Test Set to perform the most common tasks during FTTH network service activation.

The essential first step of fiber testing: connector endface inspection and analysis

- · Clear pass/fail analysis based on IEC/IPC standards
- Data storage
- , Full reporting capabilities for future referencing
- Connector cleaning

FTTH service activation and troubleshooting

- 1490 nm downstream power measurement
- > VFL for fiber identification and troubleshooting of fiber breaks or macrobends

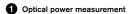








Basic Deluxe



- > Allows measurement storage and repoting
- > 7 standard calibrated wavelengths, including 1490 nm for FTTH downstream testing
- > 20 CWDM wavelengths 🙃
- > In-gas 🕕

2 Visual fault locator

- > Troubleshooting inside and outside the home
- > Troubleshooting at the drop terminal

- > Connector inspection with FIP-400
- > Automated, IEC/IPC-compliant analysis •
- > Reporting

4 FIP-400 Inspection Probe

- > Single magnification included
- > Dual magnification 1
- 5 FTB-1 utility glove
- 6 Cleaning kit options
 - > Basic includes swabs, cleaning pen and pocket QbE 👴
 - > **Deluxe** includes cleaning pen, pocket QbE and cleaners 1.25 and 2.5 mm connectors •

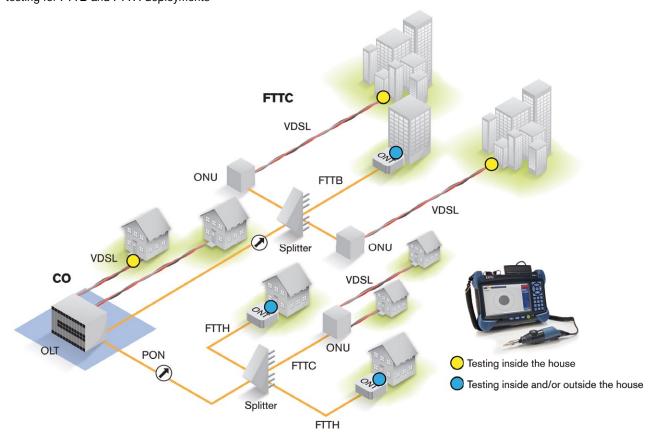
Note

= optional



CERTIFYING FTTx NETWORKS WITH EXPERT TEST TOOLS

- · In-home triple-play testing for FTTC and FTTN deployments
- ONT testing for FTTB and FTTH deployments



EXpert TEST TOOLS



EXpert VoIP generates a voice-over-IP call directly from the test platform to validate performance during service turn-up and troubleshooting.

- Supports a wide range of signaling protocols, including SIP, SCCP, H.248/Megaco and H.323
- Supports MOS and R-factor quality metrics
- Simplifies testing with configurable pass/fail thresholds and RTP metrics



EXpert IP integrates six commonly used datacom test tools into one platform-based application to ensure that field technicians are prepared for a wide range of testing needs.

- Rapidly performs debugging sequences with VLAN scan and LAN discovery
- Validates end-to-end ping and traceroute
- Verifies FTP performance and HTTP availability



This powerful IPTV quality assessment solution enables set-top-box emulation and passive monitoring of IPTV streams, allowing quick and easy pass/fail verification of IPTV installations.

- · Real-time video preview
- Analyzes up to 10 video streams
- Comprehensive QoS and QoE metrics including MOS score



MULTILAYER FTTH SERVICE ACTIVATION AND CERTIFICATION

Physical installation (drop cable and ONT installation)

- > Certify drop and ONT connections with ConnectorMax
- Measure downstream power from the OLT at 1490 nm
- > Drop fiber identification and troubleshooting using the VFL

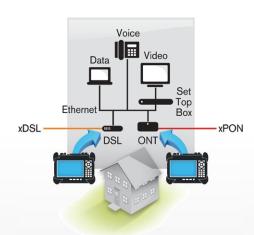


Service certification inside the home

- → IP testing
- · VoIP testing
- · IPTV testing



IP SERVICE TESTING





- > Connectivity test
- > Throughput measurement
- > Response time, downtime, download and upload times



- > Live calls
 > Measure VoIP metrics: MOS, RTP, latency
- EXpert IPTV
 TEST TOOLS
 - > Emulate set-top box
 - > View video streams
 - > Measure video and audio metrics

TESTING THE LEGACY FIBER NETWORK

A single test set to inspect fiber endfaces, as well as measure IL and optical power:

- Quickly easily inspects both the bulkhead and patchcord sides of fiber interconnects
- , Measures optical power and attenuation (with EXFO optical light source)
- Combines with an EXFO light source to detect modulation frequency and identify individual fibers
- Integrated power meter for all singlemode and multimode applications, such as LAN, telecom, CATV and DWDM testing



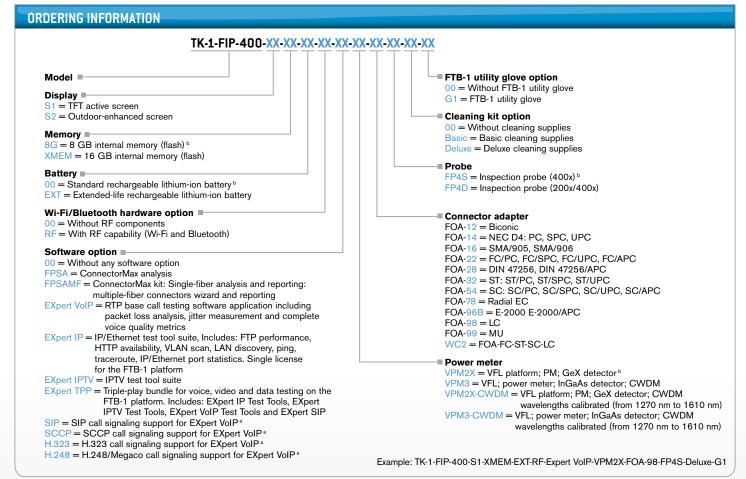


GENERAL SPECIFICATIONS

Even if the Intelligent Fiber Inspection and Certification Test Set can be ordered as a unique product, it represents a combination of existing and distinct EXFO test solutions. The general and technical specifications will vary depending on the product selected as part of the kit, and are the same as each of the different components taken separately.

For more details on general or technical specifications, we invite you to view the related product specification sheets available on www.EXFO.com.

- , FTB-1 Platform
- , FIP-400 Fiber Inspection Probe
- · ConnectorMax Analysis Software
- EXpert Test Tools



Notes

- a. Available if EXpert VoIP is selected.
- b. Standard.

SPTKFIP400.1AN

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