

FIBER OPTIC/FTTx TEST



OPTICAL TEST PLATFORMS

EXFO FTB-200-V2 COMPACT PLATFORM

The intelligent platform built for the supertech; delivers the best performance on the market for optical, Ethernet and SONET/SDH testing.

Key Features and Benefits

- Intel ATOM processor with Windows Embedded Standard for maximized productivity and unique versatility
- Flexible connectivity with USB, mobile, Wi-Fi and Bluetooth capabilities
- Compatible with 11 families of modules for multiple field testing applications:
 - CWDM network characterization at eight wavelengths
 - 40G and ROADM commissioning with an optical spectrum analyzer
 - Multiservice testing with a next-generation SONET/SDH analyzer
 - Fiber characterization and construction with OTDR, loss, dispersion and multitest modules
 - Business service activation with OTDR and Ethernet test modules
 - Carrier Ethernet testing from 10 Mbit/s to 10 Gbit/s



P/N	Description
FTB-200-V2	Compact Platform

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

FIBER OPTIC/FTTx

EXFO FTB-1 PLATFORM

Handheld modular platform optimized for fast, powerful, dedicated FTTH and Ethernet test applications.

Applications

- OTDR/FTTH testing
- Ethernet testing

Key Features and Benefits

- Flexible connectivity: USB, mobile, Wi-Fi and Bluetooth capabilities
- Utilities: supports third-party applications and the tools that enable technicians to complete their work in the field
- Test management/reporting: lets you take advantage of the EXFO Connect environment to monitor field operations (local and remote)
- PC-oriented: Intel ATOM processor with Windows Embedded Standard operating system, for optimized productivity and versatility
- Power management: latest battery technology for unmatched operation autonomy



P/N	Description
FTB-1	Platform for dedicated FTTH and Ethernet test applications

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

EXFO FTB-500 PLATFORM

The result of over 10 years of proven leadership in multimodular test platforms, the FTB-500 delivers a whole new spectrum of network testing possibilities, a whole new testing paradigm: more advanced applications, faster setups, test cycles and reporting, wireless communication and reporting, and universal compatibility with all EXFO FTB modules, past, present and future.

Designed for network experts, this high-end, highly evolutive platform enables true next-generation network testing.

The true next-gen network enabler

- Full fiber characterization: industry-renowned OTDRs combined with the most advanced dispersion analyzers
- Industry-exclusive: distributed PMD analysis
- 10G, 40G and 100G-ready
- Most compact and powerful Ethernet, SONET/SDH, OTN and Fibre Channel analyzers

A network testing powerhouse

- Choose the best fit: four-slot or eight-slot configurations
- Faster setups and faster testing
- Universal wireless connectivity
- Full backward compatibility with all FTB modules



P/N	Description
FTB-500	Platform

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

FIBER OPTIC/FTTx TEST

OPTICAL TEST PLATFORMS

ANRITSU CMA5000a MULTI-LAYER NETWORK TESTING PLATFORM

The CMA5000a is a field portable, network testing platform designed for installation, maintenance and troubleshooting of today's complex networks. It features a common user interface, open architecture design and numerous test technologies that allow the platform to evolve with user testing needs and address ever-changing telecommunication infrastructures.

- One platform does it all:
 - physical layer applications (OTDR, PMD, CD, OSA)
 - transport layer applications (1/10 GbE, SDH/SONET to 10G)
- Common Windows® based user interface simplifies use
- Modular design allows maximum flexibility
- Simultaneous operation of multiple test applications
- Connector inspection microscope option

P/N	Description
CMA5000a	Multi-Layer Network Testing Platform

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



OTDRs

EXFO AXS-100 Access OTDR

EXFO's AXS-100 Access OTDR combines the industry's leading OTDR technology with power meter functionalities in one powerful handheld unit. Optimized for point-to-point testing of passive optical networks (PON) within FTTx architectures, it offers several wavelength configurations and a wide range of options, for first-class flexibility and full coverage of short-haul OTDR test applications.

Applications

- FTTx last-mile in-service troubleshooting
- Point-to-point link testing
- CATV network testing

Key Features and Benefits

- Wavelengths: 1310/1550/1625 nm
- Dynamic range: 29/28/28 dB
- In-service PON troubleshooting using 1625 nm port
- Battery autonomy: 8 hours

P/N	Description
AXS-100	Access OTDR. Designed for single-mode OTDR troubleshooting; 1310/1550/1625 nm, 29/28/28 dB

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



EXFO AXS-110 ALL-FIBER OTDR

EXFO's AXS-110 All-Fiber OTDR helps you boost test productivity for inside-plant applications. Its exceptional 0.8 m event dead zone enables you to easily locate and characterize all events between the transmitter and the headend's fiber, access and FTTH network applications, where events are usually closely spaced.

Applications

- FTTx/MDU PON network testing
- LAN/WAN testing
- Private network testing

Key Features and Benefits

- Event dead zone: 0.8 m
- Wavelengths: 850/1300/1310/1490/1550/1625 nm
- Dynamic range: up to 37 dB
- Battery autonomy: 8 hours

P/N	Description
AXS-110	LAN/WAN Test Solution OTDR

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx TEST



OTDRs

EXFO FTB-720/FTB-730 OTDRs

The intelligent platform built for the supertech—delivers the best performance on the market for optical, Ethernet and multiservice testing.

Applications

- Access network testing
- LAN/WAN characterization (FTB-720)
- FTTx/MDU test challenges within PON networks (FTB-730)

Key Features and Benefits

- Dynamic range of up to 35 dB (FTB-720) / Dynamic range of up to 39 dB (FTB-730)

P/N	Description
FTB-720	LAN/WAN Access OTDR. 850 ± 20, 1300 ± 20, 1310 ± 20, 1550 ± 20, 1625 ± 15 (filtered) nm
FTB-730	PON FTTx/MDU OTDR. 1310 ± 20, 1490 ± 10, 1550 ± 20, 1625 ± 10, 1650 ± 7 nm

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

EXFO FTB-7200D/7300E/7400E/7500E/7600E METRO/CWDM OTDRs

Combines EXFO's renowned optical performance and unparalleled software analysis with both short dead zones and high dynamic range values, delivering the versatility needed to test long-haul, CWDM and metro links with a single OTDR.

Applications

- Access network testing
- LAN/WAN characterization

Key Features and Benefits

- Dynamic range of up to 50 dB
- Event dead zone as low as 1 meter
- Four wavelengths (12CD-23B model) combined with an optional visual fault locator
- Controlled launch conditions for more accurate loss measurements

P/N	Description
FTB-7200D	LAN/WAN Access OTDR. Dynamic range at 20 μs (dB) 27/26/36/34
FTB-7300E	PON FTTx/MDU OTDR. Dynamic range at 20 μs (dB) 39/35/37/39/37
FTB-7400E	Metro/CWDM OTDR. Dynamic range at 20 μs (dB) 42/40/41/41
FTB-7500E	Metro/Long-Haul OTDR. Dynamic range at 20 μs (dB) 45/45/45
FTB-7600E	Ultra-Long-Haul OTDR. Dynamic range at 20 μs (dB) 50/50/48

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



EXFO FTB-730-iOLM INTELLIGENT OPTICAL LINK MAPPER

Using an automated multipulse acquisition approach and filled with advanced algorithms, the iOLM is an OTDR-based application that delivers detailed information on every element on the link, in a single button operation—providing maximum intelligence and simplicity for expert-level link characterization.

Applications

- FTTx/MDU test challenges within PON networks
- Access point-to-point (P2P) network testing

Key Features and Benefits

- Turn complex OTDR information into simple and accurate analysis with the Link-Aware technology
- Identify each event of the network and obtain a straightforward fiber link status with the Optical Link View
- Benefit from Prompt Diagnosis to fix network issues quickly and efficiently
- Accelerate troubleshooting by eliminating manipulations with the In-Line Optical Power Meter

P/N	Description
FTB-730-iOLM	FTB-730-iOLM Intelligent Optical Link Mapper

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



AFL OFL250-50 HANDHELD OTDR

The OFL250-50 from AFL Telecommunications is a 1550 nm single-mode OTDR with an integrated optical power meter (OPM), 1550 nm laser source (OLS), and visual fault locator (VFL) in a handheld package weighing only 0.8 kg (1.7 lb). With short dead zone and mid-range dynamic range performance, the OFL250-50 is ideal for trouble-shooting (dark) single-mode fibers in local area, metro area, and FTTx networks.

The OFL250-50 provides automatic and manual setup, precision event analysis, a 12-hour battery life, internal data storage, and USB connectivity. OTDR and OPM test ports are equipped with tool-free adapters, which can be changed in seconds.

P/N	Description
OFL250-50U-ENG	1550 nm, single-mode OTDR



FIBER OPTIC/FTTx TEST

OTDRs



AFL OFL280 FLEXTESTER

The OFL280 FlexTester offers an unmatched combination of fiber optic test functions, ease-of-use, portability, and value. All OFL280 FlexTester models include an integrated single-mode 1310/1550 nm OTDR with PON and standard test modes, optical power meter, 1310/1550 nm laser source, and visual fault locator. For many users the two-wavelength OFL280-100 will provide the best balance of functionality and value. Testing at 1310 and 1550 nm is normally sufficient to certify point-to-point or FTTx PON fibers and allows the detection of macro bends. The three wavelength OFL280-101 and OFL280-102 models add 1625 nm or 1490 nm respectively. Testing at 1625 nm allows certification of the L band for transport use. Testing at 1490 nm is required by some network operators to certify FTTx PONs. The filtered, three wavelength OFL280-103 can certify dark fibers at 1310/1550 nm, fault-locate live FTTx fibers at 1625 nm, and measure FTTx power levels at 1490 and 1550 nm, all from a single test port.



P/N	Description
OFL280-100	1310/1550 nm OTDR, OLS, OPM, VFL for out-of-service point-to-point and FTTx PON testing
OFL280-101	1310/1550/1625 nm OTDR, OLS, OPM and VFL
OFL280-102	1310/1490/1550 nm OTDR, OLS, OPM and VFL
OFL280-103	1310/1550/1625 nm OTDR, OLS, OPM and VFL with ServiceSafe™ live fiber detection, 1625 nm live PON OTDR, and integrated PON Power Meter

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

FIBER OPTIC/FTTx

AFL C860 QUAD OTDR AND CERTIFICATION TEST KIT

The C860 QUAD Certification and OTDR Test Kit from AFL Telecommunications includes one handheld C840 QUAD OLTS Tester and one C850 QUAD OTDR/OLTS with built-in auto test functionality. With this kit, technicians can troubleshoot and perform both Tier 1 and Tier 2 certification tests of MM and SM fiber networks, store results and create professional test reports.

The C850 is both a QUAD Certification Tester and full-featured QUAD OTDR in a compact case with a large transfective touch screen display suitable for both indoor and outdoor operation. The C850 features single-mode and multimode OTDR capabilities, both single-mode and multimode Optical Light Sources (OLS), Visual Fault Locator (VFL, 650 nm), and an Optical Power Meter (OPM). The C840 QUAD Certification Tester includes VFL, OPM, and both single-mode (1310/1550 nm) and multimode (850/1300 nm) OLS. The C840 may be used alone as a traditional power meter or light source to measure fiber loss or as a visual fault locator to find fiber breaks.



P/N	Description
C860-100-LP1-H1	C860 Test Kit with cleaning accessories
C860-100-LP1-H2	C860 Test Kit with SC/LC reference jumpers, SC/LC fiber rings, and cleaning accessories
C860-100-LP1-H5	C860 Test Kit with SC/ST reference jumpers, SC/ST fiber rings, and cleaning accessories

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

AFL M700 COMPACT SINGLE-MODE OTDR

The M700 OTDR from AFL combines ease of use (Touch and Test™) and functionality in a field-rugged, hand-held package. With single-mode dynamic ranges up to 40 dB and multimode dynamic ranges of 26 dB, the M700 OTDR is ideal for testing and troubleshooting LAN/WAN, metro, FTTx and long haul networks. Industry leading dead zones of less than 1.0 m enhance users' ability to locate and measure events. Testing at 1310 and 1550 nm is normally sufficient to certify point-to-point or FTTx PON fibers and allows the detection of macrobends.

The M700 supports Full Auto, Expert (manual) and Real-Time OTDR test modes, precision event analysis, multi-wavelength testing, and visual inspection per 61300-3-35 using the DFS1 Digital FiberScope allowing users the ability to view and document connector end-face images with their OTDR traces. Pass/Fail acceptance to TIA/ISO values or user-defined values can be set to alert the test operator of failing or marginal events. These capabilities simplify the user experience, reduce training time and testing errors enabling even novices to get the job done quickly and accurately.



P/N	Description
M700-20U-01	M700 SM 1310/1550 nm OTDR
M700-21U-01	M700 SM 1310/1550/1625 nm OTDR
M700-24U-01	M700 QUAD Long Range OTDR
M700-25U-01	M700 QUAD OTDR
M700-H1	M700 Hard case w/ One-Clicks and Cletop
M700-H9	M700 Hard case w/ OLS4, OFS300-200, Fiber Rings, Jumpers, One-Clicks and Cletop

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

FIBER OPTIC/FTTx TEST



OTDRs

ANRITSU MT9083 ACCESS MASTER OTDR

The ACCESS Master MT9083 Series represents the latest generation of mini-OTDRs that delivers full featured OTDR performance plus loss test set and quality of service measurement in a surprisingly small and lightweight package.

- Compact, lightweight, rugged
- 8+ hr battery life
- Impressive < 1 m deadzones and up to 45 dB dynamic range
- Enhanced display for direct sunlight viewing
- Integrated power meter, light source, visual fault locator
- FTTx/PON support up to 1 x 128
- Connector inspection microscope option
- Over 25 models available including single-mode and multimode

P/N	Description
MT9083	Access Master OTDR

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

ANRITSU MT9090A NETWORK MASTER MODULAR PLATFORM

The new, palm-size MT9090A modular platform from Anritsu is designed for technicians to quickly and cost-effectively isolate network problems.

MU909014x/15x μ OTDR

- High-end OTDR performance in a pocket-size package
- 1310/1550 nm models with up to 37 dB for I&M
- 1625 nm and 1650 nm models for in-service troubleshooting
- Complete PON testing through splitters up to 1 x 64
- General purpose OTDR for all network types

MU909020A CWDM Tester

- Monitor wavelength and drift on all 18 CWDM channels
- ITU-T G.695 and G.694.2 compliant

MU909060A 10/100/1000MB Ethernet Tester

- Supports ITU-T Y.1564 and IPv6
- Comprehensive I&M Ethernet tester
- PING, RFC2544, multiple streams
- RJ45 and SFP interfaces

P/N	Description
MT9090A	Network Master Modular Platform

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



GREENLEE HANDHELD SINGLE-MODE OTDR

- Compact hand held design
- Measures length and defect of coiled fiber
- Up to 35 dB dynamic range
- Large LCD display, backlit
- Fiber analysis software for data management and report generation

P/N	Description
920XC-20C-UPC-NAFC	Single-mode OTDR. 1310/1550 nm (\pm 20 nm); 35/35 dB



FITEL LBT-101 MINI OTDR

Short range optical test tool for live fiber testing of FTTx.

- Ultra Compact and Portable: 7.5" x 3.75" x 1.75"
- Live Fiber Testing Capability: Uses 1610 nm wavelength, filters other wavelengths
- Built-In Fiber Spool: Measure from the first connector, no launch cables to purchase
- Engineered for the "Last Mile": Extremely simple operation, high resolution for close events

P/N	Description
LBT-101	Short Range FTTX Optical Tester



OTDRs

CORNING

CORNING OV-MINI OTDR

Corning Cable Systems OV-Mini Optical Time Domain Reflectometer (OTDR) provides a rugged, handheld and lightweight solution for testing and troubleshooting fiber optic networks. This handheld OTDR gives the operator the flexibility of testing single-mode and 50 and 62.5 μm multimode systems with the same unit. The OV-Mini provides complete connectivity flexibility (with USB stick compatibility and USB cable download) and top user-friendliness (offering one-touch testing).

P/N	Description
MiniBK	MiniBK Multimode/Single-mode OTDR with power supply, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST® Compatible OTDR port, cleaning supplies and soft carrying case
MiniDK	MiniDK Multimode/Single-mode OTDR with power meter and VFL, power supply, video inspection software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case
MiniXK	MiniXK Multimode/Single-mode OTDR with power meter and VFL, video inspection probe, power supply, video inspection software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case
MiniXK-TK	MiniXK Multimode/Single-mode OTDR with power meter and VFL, video inspection probe, separate handheld multimode/single-mode source, power supply, video inspection probe software, Li-Ion batteries, CD with OTSView PC emulation software and user's manual, USB data transfer cable, SC and ST Compatible OTDR port, cleaning supplies and soft carrying case



CORNING OV-1000 OTDR

Corning Cable Systems OV-1000 Optical Time Domain Reflectometer (OTDR) provides testing flexibility by combining a rugged platform with field-interchangeable multimode, single-mode and advanced testing modules. Designed for testing and troubleshooting of LAN, Telco, CATV and FTTx networks, all OTDR modules can be used as continuous wave (CW) light sources. A power meter and visual fault locator (VFL) are available as options on the mainframe. The OV-1000 utilizes Windows® CE technology, which allows for a fast power-up time of four seconds from sleep mode.

P/N	Description
1000BK-SD34*	Short-Range Dual Single-mode OTDR (module 400-SD34) with SC and FC OTDR port adapters
1000BK-SD37*	Mid-Range Dual Single-mode OTDR (module 400-SD37) with SC and FC OTDR port adapters
1000BK-MD26*	Dual Multimode OTDR (module 400-MD26) with SC and ST® OTDR port adapters
1000BK-MDSD*	Dual Multimode and Single-mode OTDR (module 400-MDSD) with SC and ST OTDR port adapters
1000DK-SD34+	Short-Range Dual Single-mode OTDR (module 400-SD34) mainframe has power meter and VFL, SC and FC OTDR and power meter port adapters, OTS batch software
1000DK-SD37+	Mid-Range Dual Single-mode OTDR (module 400-SD37) mainframe has power meter and VFL, SC and FC OTDR and power meter port adapters, OTS batch software
1000DK-MD26+	Dual Multimode OTDR (module 400-MD26) mainframe has power meter and VFL, SC and ST OTDR and power meter port adapters, OTS batch software
1000DK-MDSD+	Dual Multimode and Dual Single-mode OTDR (module 400-MDSD) mainframe has power meter and VFL, SC and ST OTDR and power meter port adapters, OTS batch software

* Basic Kits include OV-1000 mainframe, power supply, battery, appropriate OTDR port adapters, CD with OTSView PC emulation software and manual, cleaning supplies and hard-shell transit case.

+ Deluxe Kits include OV-1000 mainframe with power meter and VFL, power supply, battery, appropriate OTDR port adapters, CD with OTSView PC emulation software and manual, OTS PC batch processing software, cleaning supplies and hard-shell transit case.



WILCOM FR4 MINI OTDR

Wilcom's FR4 is a lightweight, hand-held and easy to use mini OTDR is an ideal unit for field to measure optical fiber from one end during installation, repair and verification of a new or existing fiber network. This unit is available in multimode or single-mode with single, dual, tri, or quad wavelengths making it ideal for LAN, Metro or Fiber-to-the-Home (FTTH) applications. Unit Includes: 110V AC adapter, Certification Software, Data Transfer Cable, SC Interchangeable Adapter, Soft Carry Case, and Instruction Manual.

P/N	Description
FR4-1310	OTDR Single-mode, Wavelength 1310 nm
FR4-1550	OTDR Single-mode, Wavelength 1550 nm
FR4-1315	OTDR Single-mode, Dual Wavelength 1310/1550 nm
FR4-QUAD	OTDR Single-mode/Multimode, Quad Wavelength 850/1300/1310/ 1550 nm
FR4-850	OTDR Multimode, Wavelength 850 nm
FR4-1300	OTDR Multimode, Wavelength 1300 nm
FR4-8513	OTDR Multimode, Dual Wavelength 850/1300 nm

Wilcom



FIBER OPTIC/FTTx TEST



OTDR ACCESSORIES

EXFO SPSB

Used in conjunction with an OTDR, the FTB-SPSB covers the OTDR's dead zone, enabling loss measurement on the first and last connections of a fiber under test.

Typically, the length of an OTDR's dead zone is equivalent to that of the optical pulse plus a few meters. The chosen launch test cable should therefore be longer than the pulse dead zone used for the tests. For instance, a 1 μ s pulse is approximately 100 m long; selecting a 150 m SPSB or a 300 m LTC/PSB would therefore be appropriate.

P/N	Description
SPSB-XXX-XX-XX	Launch Test Cable. Comes in a soft, easy-to-carry-everywhere pouch

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



AFL OTDR FIBER RINGS

Fiber Rings of 150 m of fiber are ideal for premises fiber network test applications. Fiber Rings of 500 m and 1 km of single-mode fiber are designed for broadband, long-haul fiber network test applications.

P/N	Description
FR1-SM-150- y1- y2	Standard, One Fiber - Single-mode; 150 m (492 ft) where y1 & y2 are user selected connector types

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



CORNING OTDR LAUNCH FIBER, ACCESS JUMPER

Corning Cable Systems offers two OTDR launch cable solutions. Used for connecting between the OTDR and system-under-test, these solutions can also be used on the far end of the system-under-test as a receive fiber. Both options come with a wide variety of configurations depending on customer application. The first solution is a small, portable test bag (PTB) that offers a low cost, compact launch cable and can be placed inside most OTDR transit cases. The PTB also offers a carabiner for attaching to an equipment rack, belt loop, bucket lift or messenger. The second option is a portable test fiber case (PTF), which offers a ruggedized, easy-to-configure solution. The rugged construction allows for shipment of the launch cable separate from the OTDR case.

P/N	Description
	Part numbers vary to customers needs. Please check with your TVC representative or www.tvcinc.com for details.



EXFO BFA-3000 UNIVERSAL BARE FIBER ADAPTER

The BFA-3000 is an essential accessory for performing fast, accurate and repeatable power measurements on non-connectorized fiber or components. Its innovative, spring-loaded mechanism enables easy, consistent positioning of bare fibers for connection to a power meter via the FOA-3000 Adapter. This bare fiber adapter is perfect for repeatable power measurements using EXFO's OHS-1713-UH Ultra-High-Power™ Optical Head.

P/N	Description
BFA-XX	Bare Fiber Adapter

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



ANRITSU FIBERCONNECT

The FiberConnect is the ultimate time saving solution for coupling unterminated fiber or optical components to test equipment. By allowing the user to perform optical measurements without terminating, which requires additional equipment and procedures, test time can be significantly reduced over 50% compared to other methods. The low loss and highly repeatable connection made using the FiberConnect is similar to that of connectorized fiber.

- Highly repeatable
- Easy-to-use
- Low insertion loss and back reflection
- Evaluation of fiber span or components without termination
- Significant reduction of test time

P/N	Description
FiberConnect1-XXX	FiberConnect Bare Fiber Adapter

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx TEST

OPTICAL POWER METERS



EXFO FPM-300 POWER METER

Automatically uses the proper calibration parameters when combined with the FLS-300 or FOT-300 source units.

Applications

- Power measurement
- Link-loss characterization

Key Features and Benefits

- Highly accurate unit offering 10 calibrated wavelengths and reference values
- No offset nulling required, reducing measurement time
- Autonomy of over 300 hours

P/N	Description
FPM-302	Power Meter. Power meter port Ge. Power Range: +10 to -60 dBm
FPM-302X	Power Meter. Power meter port Gex. Power Range: +26 to -50 dBm

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



EXFO FPM-600 POWER METER

Offers a memory capacity of 1000 data items and converter software, for easy data management and USB transfer to a PC. Comes with more than 40 calibrated wavelengths.

Applications

- Optimized for CWDM power measurement
- Link-loss characterization and LAN/WAN certification

Key Features and Benefits

- Adapts to all network types: LAN, CWDM, DWDM, etc.
- Error-free, time-saving features: automatic wavelength recognition, and no offset nulling required
- High accuracy, wide dynamic range and high power measurement capability (up to 26 dBm)
- User-configurable pass/fail thresholds with LED indicator

P/N	Description
FPM-602	Power Meter. Power meter port Ge. Power Range: +10 to -70 dBm
FPM-602X	Power Meter. Power meter port Gex. Power Range: +26 to -55 dBm

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



EXFO PPM-350C PON POWER METER

Enables quick, on-site testing of all PON signals, anywhere on the network; provides unique workflow management, for faster PON deployments.

Applications

- BPON, EPON and GPON configurations
- Service activation and troubleshooting
- Data storage and reporting capabilities

Key Features and Benefits

- Simultaneous measurement of all PON signals, anywhere on the network
- Innovative workflow management, for boosted test routine efficiency
- Protected data format, for guaranteed test result authenticity

P/N	Description
PPM-35XC	PON Power Meter

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



EXFO EPM-50 POWER METER

Allows power measurements up to 26 dBm with battery autonomy of over 300 hours; comes with a specific high power configuration for CATV and Telco markets.

Applications

- High power model for CATV and Telco applications
- Enterprise/LAN for single-mode and multimode measurements

Key Features and Benefits

- Tone recognition for fiber identification
- Universal push-pull interface
- Reference function for direct loss measurements

P/N	Description
EPM-50	Power Meter

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx TEST



OPTICAL POWER METERS

AFL OPM1 OPTICAL POWER METER

The OPM1 Optical Power Meter may be used to measure optical power (dBm) in Premises, Telco, or Broadband fiber optic networks. When used with an LED or Laser light source, the OPM1 can also measure the attenuation (insertion loss) of multimode or single-mode cables.

- 850, 1300, 1310, 1550 nm
- Premises (Ge) and broadband (InGaAs) models
- Displays optical power (dBm)

P/N	Description
OPM1-2C	Calibrated at 850, 1300, 1310, and 1550 nm for testing LAN, Ethernet, FDDI, Token Ring, and single-mode fiber systems such as Telco, WAN, and CATV
OPM1-3C	Operates at 850, 1300, 1310, and 1550 nm but offers greater temperature stability needed for outside plant 1550 nm testing as with WAN, CATV, and Telco systems



AFL OPM4 OPTICAL POWER METER

The OPM4 is designed for measuring optical power in Premises, Telco, or Broadband networks and for performing insertion loss measurements on multimode or single-mode fiber optic links.

- Multimode or single-mode applications
- Wave ID (auto identification and switching)
- Multiple-wavelength testing

P/N	Description
OPM4	Optical Power Meter, 2 x AA batteries, protective rubber boot, user's guide, and carry case

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



AFL OPM5 OPTICAL POWER METER

The OPM5 is a full-featured OPM is designed for measuring optical power in Premises, Telco, or Broadband networks and for performing insertion loss measurements on multimode or single-mode fiber optic links.

- Multimode or single-mode applications
- File management system organizes stored test data
- Wave ID (auto identification and switching)
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone Detection

P/N	Description
OPM5	Optical Power Meter, 2 x AA batteries, AC, protective rubber boot, USB cable, Windows® compatible software and user's guide, OPM5 user's guide, and carry case

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



AFL CSM1-3 CONTRACTOR SERIES OPTICAL POWER METER

The CSM1 is a palm-sized, cost-effective unit is designed for measuring optical power in Premises, Telco, or Broadband fiber optic networks and for performing insertion loss measurements on multimode or single-mode fiber optic links. Weighing only 0.4 lb, this power meter is ideal for field use.

- Multimode or single-mode applications
- 270, 330, 1000, 2000 Hz Tone Detection
- Power measurements in dBm or μW ; insertion loss in dB

P/N	Description
CSM1-X	Optical Power Meter, 2.5 mm Universal adapter cap, 2 x AA batteries, user's guide, and carry case

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



AFL ADAPTER CAPS, TIPS, & TEST PORT ADAPTERS

These standard thread-on adapter caps are used to mate non-angled and angled single-fiber and dual-fiber connectors to optical power meter ports on the AFL M700, OPM1, OPM4, OPM5, T400, T500, and ORL3 series test sets.

P/N	Description
8800-00-0200	FC Adapter Cap
8800-00-0209	SC Adapter Cap
8800-00-0214	2.5 mm Universal
8800-00-0224	1.25 mm Universal

Additional adapter caps available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx TEST

OPTICAL POWER METERS

ANRITSU CMA5 POWER METERS AND LIGHT SOURCES

Power Meter: The CMA5 Series Power Meters are economical, accurate and easy to use handheld units for attenuation and power throughput measurements on point-to-point fiber optic links.

The CMA5 Power Meters are ideal for testing single-mode and multimode fibers in various types of applications, thanks to multiple wavelength calibration at 850/1300 nm for datacom testing needs, 1310/1550/1625 nm for all WDM testing, as well as 1490 nm for FTTx testing needs.

Light Source: The CMA5 Series Light Sources provide an economical and stable laser source for use in point-to-point attenuation measurement. They feature a rugged design, built to withstand the difficult testing environment of fiber optic cable installation and maintenance.

The CMA5 Light Sources are ideal for testing single-mode and multimode fibers as they are offered in a variety of wavelengths to meet testing applications from datacom with 850 and 1300 nm to WDM with 1310/1550 nm wavelength.

- Pocket-sized and rugged design
- Multiple calibration wavelengths to address all network types
- Multimode (850 nm / 1300 nm) or Single-mode (1310 nm / 1550 nm) sources
- Measures up to +23 dBm optical power (Power Meter)

P/N	Description
5P100	Power Meter. Calibrated Wavelength 850, 1300, 1310, 1490, 1550, 1625 nm. Measurement Range +10 to -60 dBm
5P100C	Power Meter. Calibrated Wavelength 850, 1300, 1310, 1490, 1550, 1625 nm. Measurement Range +23 to -50 dBm
5L83	Light Source. Wavelength: 850/1300 nm \pm 20 nm. Output power -7 dBm (MM fiber)
5L35	Light Source. Wavelength: 1310/1550 nm \pm 20 nm. Output power -7 dBm (SM fiber)

Anritsu
Discover What's Possible™



FIBER OPTIC/FTTx

GREENLEE 560XL FIBER OPTIC POWER METER

- Easy to use - three buttons control all functions
- Loss measurements in (dB) power measurements in (dBm). 0.01dB measurement resolution
- Multi-wavelength storage - stores and recalls reference power levels for faster, more efficient measurements
- Snap on connector interface adapts to FC, SC and ST connectors
- Long battery life - approximately. 100 hours continuous operation
- User selectable auto shut-off

P/N	Description
560XL	Fiber Optic Power Meter. 850/1300/1310/1550 nm; Power Range: -3 dBm to -60 dBm

GREENLEE COMMUNICATIONS
A Testtron Company



WILCOM POWER METERS

The FM Series Fiber Meters are hand-held, compact, lightweight, and easy-to-use battery powered optical power meters. Together with any of Wilcom's Fiber Sources, this team makes a perfect combination for accurately testing multimode and single-mode optical fiber systems.

The **FM8515B** measures optical power from + 5 dBm to -70 dBm with calibrated wavelengths of 850, 1300, 1310 and 1550 nm making these units ideal for general single-mode and multimode fiber optic testing.

The **FM8515C** CATV Power Meter offers measurements in dBm, dBr, and milli-watts. The unit can store a reference measurement for easy loss measurement calculations. The optical input port on the FM power meters accepts any Wilcom thread-on style adapter caps. Adapter caps are required for operation and must be ordered separately.

Model **FM-1318** offers measurements in dBm, dBr, and microwatts. The optical input port on the FM1318 accepts any Wilcom thread-on style adapter caps. Adapter caps are required for operation and must be ordered separately.

P/N	Description
FM8515B	Optical Power Meter. Application: Wavelengths 850, 1300, 1310, 1550 nm; Power Range is +5 dBm to -70 dBm
FM8515C	Optical Power Meter. Application: Wavelengths 850, 1300, 1310, 1550 nm; Power range is +23 dBm to -50 dBm
FM1318	Optical Power Meter - FTTx. Application: Wavelengths 850, 1300, 1310, 1490, 1550, 1625 nm; Power range is +5 dBm to -70 dBm

Wilcom



FIBER OPTIC/FTTx TEST



OPTICAL LASER SOURCES

EXFO FLS-300 LIGHT SOURCE

The FLS-300 Light Source can transmit with a wavelength-identification digital encrypted protocol, so that any compatible unit—the FPM-300 Power Meter and the FOT-300 Optical Loss Test Set—can automatically use the proper calibration parameters. This feature reduces the need for communication between the two technicians and decreases the potential for error.

Applications

- Link-loss characterization
- Fiber identification

Key Features and Benefits

- Can transmit with a wavelength-identification digital encrypted protocol so that any compatible unit can automatically use the proper calibration parameters
- Autonomy of 120 hours
- Instrument identification available in six languages

P/N	Description
FLS-300	Light Source

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

EXFO FLS-600 LIGHT SOURCE

Part of EXFO's 600 handheld series, the FLS-600 Light Source is designed for first-class versatility. Choose among laser, LED models, as well as various wavelength options. What's more, you can save time by building a list of your "favorite" wavelengths and only sweep through these wavelengths when testing.

Using the FLS-600 in Auto-Switching mode allows you to automatically toggle between available wavelengths. When using this source with a compatible power meter (FPM/FOT-600), the latter recognizes the wavelength in use and switches to the proper calibration parameter.

Applications

- Link-loss characterization
- LAN/WAN certification

Key Features and Benefits

- Up to three single-mode wavelengths (1310, 1550, and 1490 or 1625 nm) on a single port, or four wavelengths (850/1300 nm and 1310/1550 nm) on two ports
- Error-free, time-saving test features
- Compliant with the IEC 61280-4-1 standard (using an external conditioner)

P/N	Description
FLS-600	Light Source

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



EXFO ELS-50 OPTICAL LIGHT SOURCE

ELS-50 Light Source provides excellent stability and high measurement accuracy for up to three single-mode wavelengths (1310, 1490 and 1550 nm) or two multimode wavelengths (850 and 1300 nm). It is the perfect complement to the FiberBasix 50 EPM-50 Power Meter when it comes to measuring attenuation on fiber-optic links.

Applications

- Telco/CATV and FTTH models; dual and triple wavelengths
- Enterprise/LAN models; single-mode and multimode

Key Features and Benefits

- Excellent power stability for reliable loss measurements
- Interchangeable connector adapters
- Tone generation for fiber identification
- Easy-to-use interface for error-free testing
- Cost-effective, rugged and highly reliable

P/N	Description
ELS-50	Light Source

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



OPTICAL LASER SOURCES



AFL OLS2 DUAL LASER LIGHT SOURCE WITH WAVE ID

The OLS2-Dual is a handheld, rugged Laser Source designed for performing insertion loss measurements on single-mode fiber optic links when used with an Optical Power Meter. When paired with an Optical Fiber Identifier, the OLS2-Dual may be used for fiber identification.

The OLS2-Dual features 1310 nm and 1550 nm Laser output from a single output port and offers several modes of operation. Each wavelength may be transmitted individually at CW or with user selectable modulated tone. Also, each wavelength may be transmitted with Wave ID. When transmitting with Wave ID, the OLS2-Dual supports transmitting pairs of wavelengths in an alternating pattern.

- Dual wavelengths from a single port
- Dual or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone

P/N	Description
OLS2-Dual	Optical Light Source, protective rubber boot, 2 x AA batteries, user's guide, and carry case



AFL OLS4 INTEGRATED LED AND LASER LIGHT SOURCE WITH WAVE ID

The OLS4 is a handheld, rugged, integrated two-port LED and Laser Light Source designed for performing insertion loss measurements on multimode or single-mode fiber optic links when used with an Optical Power Meter. When paired with an Optical Fiber Identifier, the OLS4 may be used for fiber identification.

The OLS4 features 850/1300 nm LED output from a multimode output port and 1310/1550 nm Laser output from a single-mode output port. Each wavelength may be transmitted individually at CW or with user selectable modulated Tone (SM output). Also, each wavelength may be transmitted with Wave ID.

- Integrated LED and Laser Light Source
- Dual wavelengths from a single port
- Dual or single Wave ID, CW, Tone (SM output)

P/N	Description
OLS4	Optical Light Source, protective rubber boot, 2 x AA batteries, mandrels, user's guide, and carry case



AFL OLS7-FTTH & OLS7-3 TRIPLE WAVELENGTH LASER SOURCES

The OLS7-FTTH (1310/1490/1550 nm) and OLS7-3 (1310/1550/1625 nm) are handheld, rugged Laser sources designed for performing insertion loss measurements on single-mode fiber optic links when used with an Optical Power Meter. When paired with an Optical Fiber Identifier, both models may be used for fiber identification.

The OLS7-FTTH and OLS7-3 feature a triple wavelength Laser output from a single port and are easy to operate. Each wavelength may be transmitted individually at CW or with user selectable modulated Tone. Also, each wavelength may be transmitted with Wave ID.

- Triple wavelengths from a single port
- Triple, dual, or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone

P/N	Description
OLS7-FTTH	Optical Light Source, protective rubber boot, 2 x AA batteries, user's guide, and carry case
OLS7-3	Optical Light Source, protective rubber boot, 2 x AA batteries, user's guide, and carry case



AFL CSS1-SM CONTRACTOR SERIES DUAL LASER LIGHT SOURCE

The CSS1-SM is a palm-sized, cost-effective dual Laser source designed for performing insertion loss measurements on single-mode fiber optic links when used with an Optical Power Meter. When paired with an Optical Fiber Identifier, the CSS1-SM may be used for fiber identification.

The CSS1-SM features 1310 nm and 1550 nm Laser output from a single output port and is easy to operate. Each wavelength may be transmitted individually at CW or with user selectable modulated Tone. The output port is equipped with UCI based removable adapters to allow the output connectors to be inspected and cleaned.

- Dual wavelengths from a single port
- CW and modulated Tone
- 270, 330, 1000, 2000 Hz Tone

P/N	Description
CSS1-SM	Optical Light Source 2 x AA batteries, user's guide, and carry case



FIBER OPTIC/FTTx TEST

OPTICAL LASER SOURCES

GREENLEE 580XL LASER SOURCE

The 580XL is the perfect light source for performing insertion loss testing on single mode fiber optic cabling. Dual wavelength output (1310 nm and 1550 nm) enables fast and accurate insertion loss measurements. Once the user has set the reference with an optical power meter, the 580XL Laser source provides a stable output for hours of continuous measurements.

- 1310/1550 nm wavelengths
- Stable calibrated output
- Fixed connector interface FC, ST, SC
- Continuous wave and modulated output
- Long battery life - approximately 80 hours continuous operation

P/N	Description
580XL-FC	1310/1550 nm Laser Source with FC Interface
580XL-SC	1310/1550 nm Laser Source with SC Interface
580XL-ST	1310/1550 nm Laser Source with ST Interface



FIBER OPTIC/FTTx

FITEL ID-L LIGHT SOURCE

The Light Source ID-L used in conjunction with the Fitel LightFinder™ Fiber Optic Identifier offers you all the right tools to make your job easier. The ID-L is a light weight, hand-held unit that features a single button control to change the output mode from CW, 270 Hz, 1 kHz, and 2 kHz. The ID-L is battery powered and includes an auto-shutdown function.

- 4 Wavelength Lineup
- 1310/1490/1550/1610 nm
- Boost Function
- Activating the BOOST function increases the output signal by 10 dB
- Selection of 4 frequencies
- CW / 270 Hz / 1 kHz / 2 kHz
- Lightweight design for easy handling
- Operate more than 60 hours on battery
- Removable Adapter For Easy Cleaning
- RoHS Compliant

P/N	Description
ID-L	Light Source



OPTICAL TEST KITS

EXFO FOT-930 MaxTester MULTIFUNCTION LOSS TESTER

Designed for network service providers, network installers and CATV operators, the FOT-930 MaxTester provides fully automated loss test results in 10 seconds for up to three wavelengths, as well as automatic ORL and fiber-length measurement. It combines a powerful light source, a power meter, a visual fault locator, a full-duplex digital talk set and a video fiber inspection probe, and it comes with a large, high-resolution color display and nine hours autonomy—all this and more in an ergonomic, eye-catching handheld package built for today's fiber-optic testing requirements. This unit easily and efficiently provides complete, high-quality test documentation. Its data logging and management features help users quickly access and download test results to any PC through the RS-232 port for in-depth analysis and first-class report generation.

Applications

- Bidirectional link-loss and ORL characterization
- High-fiber-count network construction
- FTTx construction

Key Features and Benefits

- Combines a powerful light source, a power meter, a visual fault locator, a full-duplex digital talk set and a video fiber inspection probe
- High-resolution color display and nine hours autonomy
- Ideal for testing FTTx-based cable TV, POTS and high-speed data services

P/N	Description
FOT-932	Multifunction Loss Tester. Detector type Ge; Measurement range (dBm) +10 to -70
FOT-932X	Multifunction Loss Tester. Detector type GeX; Measurement range (dBm) +26 to -55
FOT-933	Multifunction Loss Tester. Detector type InGaAs; Measurement range (dBm) +6 to -73

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx TEST

OPTICAL TEST KITS

EXFO AXS-200/350 OPTICAL LOSS TEST SET

Features a Pass/Fail LED indicator and lets you set your own thresholds for loss measurements, specifically designed for first-class ease of use.

Applications

- Ideal for FTTH deployments as well as CWDM and DWDM network assessment
- Fiber Inspection Probe and VFL capabilities

Key Features and Benefits

- Ideal for network-link characterization
- Clear, LED-based pass/fail assessment
- Error-free, semi-automatic loss testing
- Straightforward step-by-step loss testing wizard
- Fiber inspection probe port to prevent dirty and damaged connector problems
- CWDM test solution ready with high power detector
- Compliant with the IEC 61280-4-1 standard (using an external conditioner)

P/N	Description
AXS-200/350	Optical Loss Test Set; 800 to 1650 nm; +10 to -75 dBm

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

EXFO FIBERBASIX 50 HANDHELD TESTERS

FiberBasix 50 Handheld Testers deliver simple, accurate measurement of signal attenuation during fiber-optic cable installation. Buy the ELS-50 Light Source or EPM-50 Power Meter individually, or choose from five test kits designed for specific users/testing needs: LAN, outside plant, contractors, FTTH and CATV.

The FiberBasix 50 series includes two highly convenient instruments:

- The ELS-50 Light Source, combining up to three wavelengths in a single configuration
- The EPM-50 Power Meter, which offers high accuracy and referencing capabilities

An FTTx Test Solution

These products are part of EXFO's series of FTTx optical test products. They allow for the testing of passive optical networks (PONs) at the three main wavelengths (1310, 1490 and 1550 nm) used in fiber-to-the-home (FTTH) and fiber-to-the-premises (FTTP) networks and comply with the ITU-T G.983 and G.984 Recommendation series and the IEEE 802.3ah standard.

ELS-50

ELS-50 Light Source: Multiwavelength Capability

EXFO's ELS-50 Light Source provides excellent stability and high measurement accuracy for up to three single-mode wavelengths or two multimode wavelengths. It is the perfect complement to the FiberBasix 50 EPM-50 Power Meter when it comes to measuring attenuation on fiber-optic links.

EPM-50

EPM-50 Power Meter: High Accuracy and Easy Referencing

The EPM-50 Power Meter provides highly accurate power measurements, as well as reference value setting capabilities. It offers power autonomy of 300 hours, for reliable, long-lasting performance in the field.

Applications

- Link-loss characterization (ELS-50 Light Source)
- Power measurement (EPM-50 Power Meter)

Key Features

- Easy-to-use interface for error-free testing
- Interchangeable connectors, for first-class flexibility
- Cost-effective, rugged and highly reliable
- Ideal for testing and troubleshooting optical premises networks
- Five test kits to choose from: LAN, outside plant, contractor, FTTH and CATV

P/N	Description
FBK-51	LAN Test Kit
FBK-52	Outside Plant Test Kit
FBK-53	Contractor Kit
FBK-54	FTTH Test Kit
FBK-55	CATV Test Kit

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTT_x TEST



OPTICAL TEST KITS

AFL SLP4-6D, SLP4-FTTH AND SLP4-7 TEST KITS

The SLP4-6D Test Kit combines the OPM4-4D Optical Power Meter and OLS2-Dual Laser Light Source and is ideally suited for testing single-mode fiber optic networks. The OLS2-Dual features 1310 nm and 1550 nm Laser output from a single output port and offers several modes of operation. Each wavelength may be transmitted individually at CW or with user selectable modulated Tone. Also, each wavelength may be transmitted with Wave ID. When transmitting with Wave ID, the OLS2-Dual supports transmitting pairs of wavelengths in an alternating pattern.

The SLP4-FTTH and SLP4-7 model combine the OPM4-4D Optical Power Meter and either OLS7-FTTH (1310/1490/1550 nm) or OLS7-3 (1310/1550/1625 nm) Laser source respectively. The OLS7-FTTH and OLS7-3 feature a triple wavelength Laser output from a single port and are easy to operate. Each wavelength may be transmitted individually at CW or with user selectable modulated Tone. Also, each wavelength may be transmitted with Wave ID.

P/N	Description
SLP4-6D	OLS2-Dual optical light source, OPM4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, SLP4-6D test kit user's guide, and carry case
SLP4-7	OLS7-3 optical light source, OPM4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, SLP4-7 test kit user's guide, and carry case
SLP4-FTTH	OLS7-FTTH optical light source, OPM4-4D optical power meter, AA batteries, protective rubber boots, adapter cap, SLP4-FTTH test kit user's guide, and carry case

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTT_x

AFL SLP5 TRIPLE WAVE TEST KITS

The SLP5 triple wavelength single-mode Test Kits are available in two models, SLP5-FTTH and SLP5-7. The SLP5-FTTH and SLP5-7 model combine the OPM5-4D Optical Power Meter and either OLS7-FTTH (1310/1490/1550 nm) or OLS7-3 (1310/1550/1625 nm) LASER source respectively.

- Wave ID (auto identification and switching)
- Triple, dual, or single Wave ID, CW, Tone
- File management system organizes stored data
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone

P/N	Description
SLP5-7	OLS7-3 optical light source, OPM5-4D optical power meter, AA batteries, protective rubber boots, adapter cap, USB cable, Windows® compatible software and user's guide, SLP5-7 test kit user's guide, and carry case
SLP5-FTTH	OLS7-FTTH optical light source, OPM5-4D optical power meter, AA batteries, protective rubber boots, adapter cap, USB cable, Windows® compatible software and user's guide, SLP5-FTTH test kit user's guide, and carry case

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



AFL CKSM-2 CONTRACTOR SERIES MULTIMODE AND SINGLE-MODE TEST KIT

Combining the CSM1-2 Optical Power Meter, CSS1-MM Dual LED light source, and CSS1-SM Dual Laser source, the CKSM-2 is a cost-effective test kit designed for performing insertion loss measurements on multimode as well as single-mode fiber optic links. Weighing only 0.4 lb each, units are compact and convenient for field use.

The CSS1-MM and CSS1-SM sources feature Dual output, 850 /1300 nm LED or 1310/1550 nm Laser respectively, from a single output port. Both CSS1 models offer 2 modes of operation, continuous wave (CW) and user selectable modulated Tone.

- CW and modulated Tone
- 270, 330, 1000, and 2000 Hz Tone
- Power measurements in dBm or μW ; insertion loss in dB

P/N	Description
CKSM-2	CSS1-MM Dual LED source, CSS1-SM Dual Laser source, CSM1-2 optical power meter, AA batteries, 2.5 mm universal adapter cap, UCI-SC connector, 50 and 62.5 μm mandrels, user's guide, and carry case



AFL C880 QUAD CERTIFICATION TEST KIT

Combining two C840 Certification Testers, the C880 QUAD Certification Test Kit is designed for testing and troubleshooting both multimode and single-mode fiber links. Each tester includes an integrated Visual Fault Locator (VFL, 650 nm), both single-mode (Laser 1310/1550 nm) and multimode (LED 850/1300 nm) Optical Light Sources (OLS), and an Optical Power Meter (OPM). Each tester may be used alone as a traditional Power Meter, Light Source or Visual Fault Locator.

- Integrated OPM, OLS, and VFL (650 nm)
- OLS Sources: 850/1300 nm LED and 1310/1550 nm Laser sources
- Dual-wavelength certification Pass/Fail
- Two fibers bi-directional and single fiber testing

P/N	Description
C880	QUAD Certification Test Kit

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx TEST

OPTICAL TEST KITS

ANRITSU CMA50 LOSS TEST SETS

Fast, accurate and easy-to-use, Anritsu's CMA50 line of Loss Test Sets are designed for attenuation and throughput measurements of fiber optic links. With up to four lasers in the same unit and a power meter calibrated to 26 different wavelengths, CMA50 meets any testing requirement from FTTx PON networks, to CWDM to long haul telephony links to multimode LAN, and CATV.

- Up to 4 high power sources out of a single port – SM or MM
- Integrated visual fault locator
- Stores up to 100,000 data sets
- ORL option
- Measurements up to +27 dBm
- Calibrated at 26 wavelengths including CWDM

P/N	Description
50LTS35	Dual-Wavelength Loss Test Set, LD. 1310/1550 ±20 nm -7 dBm (G.652 fiber)
50LTS83	Dual-Wavelength Loss Test Set, LED 850/1300 ±20 nm -18 dBm (62.5/125 μm fiber)
50LTS3456	Four-Wavelength Loss Test Set, LD. 1310/1490/1550/1625 ±20 nm -7 dBm (G.652 fiber)
50LTS8335	Four-Wavelength Loss Test Set, LED on MM port -7 dBm (G.652 fiber); LD on SM port -18 dBm (62.5/125 μm fiber); 850/1300/1310/1550 ±20 nm
50PMS	Optical Power Meter: 850/1300/1310/1490/1550/1625 nm plus CWDM wavelengths (ITU-T G694.2); +10 to -75 dBm

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

JDSU ORL-55 SMART OPTICAL RETURN LOSS METER

The ORL-55 Smart Optical Return Loss Meter is a high-performance, easy-to-use instrument for field, laboratory, and production use. It combines three different functions in one field-optimized instrument, including an Optical Return Loss Meter, an Optical Power Meter, and a triple-wavelength Laser Source.

- High-precision ORL testing at 2 or 3 wavelengths (single-mode 1310, 1490, 1550, 1625 nm)
- Three instruments in one: Return Loss Meter/Power Meter/Laser Source
- TRIPLEtest function for simultaneous measurements at three wavelengths in real time
- Auto-zeroing function (patent pending) for increased measurement accuracy

P/N	Description
BN 2287/21	ORL-55 Smart Optical Return Loss Meter 1310/1550 nm
BN 2287/22	ORL-55 Smart Optical Return Loss Meter 1310/1490/1550 nm
BN 2287/23	ORL-55 Smart Optical Return Loss Meter 1310/1550/1625 nm



GREENLEE MULTIMODE AND SINGLE-MODE FIBER OPTIC TEST SET

- Insertion loss test set for multimode and single-mode fiber
- 1310/1550 nm loss measurements; 850/1300 nm loss measurements
- Connector for FC, SC or ST

P/N	Description
5890-FC	Multimode and Single-mode Fiber Optic Test Set w/FC Interface
5890-SC	Multimode and Single-mode Fiber Optic Test Set w/SC Interface
5890-ST	Multimode and Single-mode Fiber Optic Test Set w/ST Interface



FLUKE NETWORKS FIBER QUICKMAP

Fiber QuickMap™ is a new category of fiber troubleshooter for the enterprise, quickly and efficiently locating connections and breaks in a multimode fiber network. One button testing means anyone can instantly become an advanced troubleshooter. Six seconds of test time leads to immediate visibility and understanding of a multimode channel's links to identify any potential problem areas, whether they are high loss or reflective incidents, or fiber breaks. Reducing hours of blind and inefficient trial-and-error troubleshooting down to seconds, Fiber QuickMap™ is the go-to troubleshooter for use in today's multimode fiber data centers and enterprises.

P/N	Description
FQM-MAIN	Fiber QuickMap™ mainframe with carrying pouch
FQM-KIT	Fiber QuickMap™ Kit with Test Reference Cords (50 and 62.5 μm for both SC/SC and SC/LC) and carrying pouch
FTS900	Fiber QuickMap™ Kit with Test Reference Cords (50 and 62.5 μm for both SC/SC and SC/LC), VisiFault Visual Fault Locator and carrying case
FTS1000	Fiber QuickMap™ Troubleshooter Kit with Test Reference Cords (50 and 62.5 μm for both SC/SC and SC/LC), VisiFault Visual Fault Locator, and SimpliFiber Pro power meter and multimode source, and carrying case



FIBER OPTIC/FTTx TEST



OPTICAL TEST KITS

FLUKE NETWORKS DTX-CLT CERTIFIBER® OPTICAL LOSS TEST SET

DTX-CLT CertiFiber® Optical Loss Test Set provides a complete Tier 1 fiber certification (loss, length, and polarity) solution for both multimode and single-mode fiber. Leveraging the market-leading DTX™ CableAnalyzer interface, it performs easy and quick validation of fiber link performance and installation quality, measurement of optical loss at multiple wavelengths, and polarity confirmation. It even measures fiber length, eliminating the need for unreliable guesswork and estimation methods. Save, upload, manage, and print comprehensive certification reports using Fluke Networks' popular LinkWare™ PC software.

P/N	Description
DTX-CERTIFIBER-M	Multimode DTX-CLT CertiFiber; includes DTX-MFM2 and one set of 50 μm SC/SC test reference cords
DTX-CERTIFIBER-S	Single-mode DTX-CLT CertiFiber; includes DTX-SFM2 and one of SM SC/SC test reference cords
DTX-CERTIFIBER-MS	Multimode and Single-mode DTX-CLT CertiFiber; includes DTX-MFM2 and DTX-SFM2 and one set each of 50 μm and SM SC/SC test reference cords
DTX-CERTIFIBER/MU	Replacement mainframe for DTX-CLT CertiFiber
DTX-CERTIFIBER/RU	Replacement remote for DTX-CLT CertiFiber
DTX-MFM2	Set of two DTX Multimode Fiber Modules
DTX-GFM2	Set of two DTX Gigabit Multimode fiber modules
DTX-SFM2	Set of two DTX Single-mode fiber modules



FIBER OPTIC/FTTx

FLUKE NETWORKS FIBER ONESHOT™ OPTICAL TEST SET

Fiber OneShot™ is a pocket-sized optical test set designed to take the complexity out of single-mode fiber testing. Fiber OneShot's one-button-test capability will quickly and accurately verify if a fiber is active and find the distance to a break or end, dirty end face or reflective event—going from zero to 9,999 feet (0 - 6,000 meters displayed in metric mode). This portable FTTx tester is designed to increase productivity and decrease training time. The Fiber OneShot allows testing anywhere in the network—central office, node, hub, drop or optical network terminal (ONT) — and is fast, affordable, lightweight and accurate.

P/N	Description
FIBR-1-KIT	Fiber OneShot Optical Test Set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22 language-Quick Reference Card (QRC) on CD, manual, batteries
FIBR-1-SHOT	Fiber OneShot Optical Test Set, SC adapter, holster, 22 language-QRC on CD, manual, batteries
FIBR-1-KIT-VF	Fiber OneShot Optical Test Set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22 language-QRC on CD, manual, batteries + VisiFault-Visual Fault Locator with 2.5 mm universal adapter
FIBR-1-KIT-PM	Fiber OneShot Optical Test Set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22 language-QRC on CD, manual, batteries + SFPOWERMETER-SimpliFiber Pro optical power meter; SC adapter included
FIBR-1-KIT-VFPM	Fiber OneShot Optical Test Set, SC adapter, UPC-APC, UPC-UPC 1-meter launch cords, holster, case, 22 language-QRC on CD, manual, batteries + VisiFault-Visual Fault Locator with 2.5 mm universal adapter + SFPOWERMETER-SimpliFiber Pro optical power meter; SC adapter included



FLUKE NETWORKS FIBER ONESHOT™ PRO OPTICAL TEST SET

Fiber OneShot™ PRO takes the complexity out of single-mode fiber testing by analyzing fiber links and measuring faults up to 15 miles in less than five seconds. Whether you are troubleshooting FTTx, Hybrid Fiber Coax (HFC), fiber links between Central Offices, or working on regional or rural access networks, Fiber OneShot PRO is your first response to fiber trouble. The simple, one-button test feature means no training and can cut the average job time by 30 percent. This new class of tester fills the gap between a VFL and OTDR because it easily and quickly locates lossy connections, high-loss faults and breaks in a single-mode fiber network.

P/N	Description
FIBR-1-SHOTPRO	Fiber OneShot PRO only. Includes meter, SC adapter, 22-language quick reference guide on CD, manual and batteries
FIBR-1-KITPRO	Fiber OneShot PRO-SC-Kit. Includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language quick reference guide on CD, manual and batteries
FIBR-1-KITPRO-VF	Fiber OneShot PRO-SC-Kit with VisiFault. Includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language quick reference guide on CD, manual and batteries plus the VisiFault Visual Fault Locator with 2.5 mm universal adapter
FIBR-1-KITPRO-PM	Fiber OneShot PRO-SC-Kit with SimpliFiber Pro. Includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language quick reference guide on CD, manual and batteries plus SimpliFiber Pro optical power meter and SC adapter
FIBR-1-PRO-LSPM	Fiber OneShot PRO-SC-Kit with SimpliFiber Pro and Light Source. Includes meter, SC adapter, UPC-UPC 2-meter patch cord, holster, case, 22-language quick reference guide on CD, manual and batteries plus SimpliFiber Pro optical power meter and 1310/1550 nm Light Source



FIBER OPTIC/FTTx TEST

OPTICAL TEST KITS

FLUKE
networks

FLUKE NETWORKS SIMPLIFIBER PRO® OPTICAL POWER METER AND FIBER TEST KITS

SimpliFiber Pro is an improved Fiber Test Set that simplifies and shortens the front-line testing process by:

- Reducing the multiple steps and using a simultaneous dual-wavelength testing feature to measure the range of power levels in just half the time
- Allowing for a non-touch solution to check for a live fiber without having to plug into ports
- Enabling a network technician to do time-consuming procedures that normally require a team

SimpliFiber® Pro Optical Power Meter and Fiber Test Kits provide you with all the tools you need to help you verify proper installation and maintain fiber-optic cabling systems. Available in kits or a la carte, these tools are simple and effective and provide you with the capability to measure loss and power levels, locate faults and polarity issues, and inspect connector end-faces.



FTK1300

P/N	Description
FTK2000	Basic Verification Kit (Single-mode). Includes SimpliFiber Pro Power Meter, 1310/1550 nm single-mode source (SC port), and carrying case
FTK2100	Single-mode Fiber Verification Kit. Includes SimpliFiber Pro optical power meter, two single-mode sources (1310/1550 and 1490/1625 nm), carrying case, and SC power-meter adapter
FTK1450	Complete Fiber Verification Kit. Includes SimpliFiber Pro Power Meter, 850/1300 nm and 1310/1500 nm sources (SC port), two (2) FindFiber Remote ID sources, FT500 FiberViewer Video Microscope, VisiFault VFL, LC and ST adapters, NFC-KIT-BOX cleaning equipment, and carrying case
FTK1000	Basic Verification Kit (Multimode.) Includes SimpliFiber Pro Power Meter, 850/1300 nm multimode source (SC port), and carrying case
FTK1300	Full-Featured Verification Kit with FiberViewer. Includes SimpliFiber Pro Power Meter, 850/1300 nm source (SC port), FindFiber Remote ID source, FT120 FiberViewer Optical Microscope, VisiFault VFL, LC and ST adapters, and carrying case
FTK1350	Full-Featured Verification Kit with FiberInspector Mini. Includes SimpliFiber Pro Power Meter, 850/1300 nm source (SC port), FindFiber Remote ID source, FT500 FiberViewer Video Microscope, VisiFault VFL, LC and ST adapters, and carrying case
CIQ-FTKSFP	Copper and Fiber Technician's Kit. Includes the CableIQ (CIQ-KIT) and SimpliFiber Pro (FTK1000) Fiber Test Kit
MS2-FTK	Copper and Fiber Basic Technician's Kit. Includes the MicroScanner (MS2-100) and SimpliFiber Pro (FTK1000) Fiber Test Kit



FTK1350

CORNING OTS-600 SERIES LIGHT SOURCE AND POWER METER

The OTS-600 Series is ideal for optical network certification. The unit is designed for testing and troubleshooting of various telecommunication networks, with ease of use achieved using a large color LCD screen, soft-key menus and a testing wizard. The OTS-600 Series models provide source and meter in one unit to improve bi-directional testing productivity and the auto wavelength switching and detection feature cuts typical testing time in half while reducing the potential for errors.

- Source and meter in one unit
- Auto wavelength switching and detection
- USB data ports

P/N	Description
OTS-600SD	Single-mode Test Kit with OS-404RXD (1310/1550 nm) Laser source and integrated 650 nm VFL, OM-610 power meter, (2) Li-Ion rechargeable batteries and (2) AC power adapters, USB cable for data transfer, OTS-View software (1) SC source port adapter, (1) SC meter adapter, (1) ST compatible meter adapter, (1) LC meter adapter, (2) wrist straps, cleaning supplies, hard transit case and user's manual

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

CORNING



CORNING LTK-400 SERIES LIGHT SOURCE AND POWER METER

The LTK-400 Series offers a complete, cost-effective solution for link-loss testing of both multimode and single-mode systems for those users who do not require data storage capabilities. The LTK offers unparalleled performance by combining a source that has one of the highest output powers in the industry with a meter that has 10 calibrated wavelengths from 830 to 1625 nm.

- Rugged handheld design that can withstand the harshest testing environments
- Excellent cost-effective solution for testing fiber optic systems when data storage is not required
- Both the source and meter have field-interchangeable port adapters

P/N	Description
LTK-400SD	Single-mode Loss Test Kit including OS-404XD source (1310/1550 nm) Laser and OM-410 meter (no data storage), AA batteries for both units, (2) AC power supplies, SC and ST compatible jumpers and adapters for SM, manual, (1) SC source port adapter, (1) ST compatible source port adapter, (1) SC meter port adapter, (1) ST compatible meter port adapter, (2) wrist straps, plastic case of cleaning supplies, and padded carrying case

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx TEST



MICROSCOPES & VIDEOSCOPIES

EXFO FIP-400 FIBER INSPECTION PROBE

Applications

- Inspection of dirty/damaged connectors

Key Features and Benefits

- Easy back-panel connector inspection
- Image-capture capability for report documentation
- Ideal for all types of connectors: APC, UPC, MTP and more

P/N	Description
FIP-400	Fiber Inspection Probe. Standard Accessories include Video inspection probe (single or dual magnification), FC-SC tip for bulkhead, U25M universal patchcord tip for 2.5 mm ferrule and Plastic case divided into various compartments for tips

Multiple configurations and adapter tips available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

EXFO CONNECTORMAX ANALYSIS SOFTWARE

Delivers clear-cut pass/fail verdicts, eliminating guesswork in the field, helping you save time and money.

Applications

- Connector inspection and certification
- IEC/IPC-compliant network acceptance testing

Key Features and Benefits

- Automatic pass/fail analysis in the portable FTB-1, FTB-200 and FTB-500 platforms
- Lightning-fast: results in a few seconds through simple one-touch operation
- Compatible with EXFO's FIP-400 series probes

P/N	Description
FPSA	Platform - Fiber inspection probe analysis software for portable platform
FPSAMF	Platform - ConnectorMax kit: Single-fiber analysis and reporting; Multiple-fiber connectors wizard and reporting
FPSA-PC	PC - Fiber inspection probe analysis software for PC or laptop*
FPSAMF-PC	PC - ConnectorMax kit: Single-fiber analysis and reporting, Multiple-fiber connectors wizard and reporting

*The FIP-400-USB2, USB 2.0 Converter Module is required and sold separately.



AFL VS300 VIEW SAFE INSPECTION SCOPE

The VS300 Video Fiber Scope removes concerns for eye safety while inspecting optical fiber connectors. The design eliminates the optical path to the eye by utilizing a miniature camera and a state-of-the-art micro-display that achieves unparalleled clarity and resolution.

- Video Technology
- No optical path to your eye
- 400X magnification

P/N	Description
VS300	Inspection Scope, 2 x AA batteries, neck strap, 2.5 mm universal adapter cap, and user's guide

AFL OFS300 OPTICAL MICROSCOPE

The OFS300 is a versatile Optical Fiber Scope with precision 200X magnification. This handheld and rugged scope is used for inspection of optical fiber connectors for scratches, dirt, or other problems normally associated with poor transmission performance.

- Laser safety filter installed
- Precision 200X zoom

P/N	Description
OFS300	Inspection Scope, 2 x AA batteries, neck strap, 2.5 mm universal adapter cap, user's guide

AFL DFS1 DIGITAL FIBERSCOPE

The DFS1 Digital FiberScope supports magnified video inspection of fiber optic connectors to ensure end-faces are free of damage and contamination. The DFS1 illuminates fiber end-faces and delivers magnified fiber end-face images via USB port for display and archiving on AFL's M-series OTDRs (M200, M700) or C-series OTDRs and Certification Testers (C840, C850, C860, C880). Using AFL's SimpleView™ software, users may connect the DFS1 to a USB port on their laptop or PC to view fiber end-faces on the PC's display.

P/N	Description
DFS1-XX-XXXX	DFS1 Digital FiberScope

Multiple configurations and adapter tips available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTT_x TEST

MICROSCOPES & VIDEOSCOPIES

LIGHTEL VIEWCONN®

ViewConn® (VC-6200) enables users to inspect fiber connectors for contamination, clean the connectors, and re-inspect, ensuring optimal signal quality while reducing installation time. The USB port allows full image capture capability for documentation - all from one hand-held unit.

- Field of View ~ 425 μm x 320 μm
- Resolution 0.5 μm detectable
- Focus Manual Adjustment, 2 mm max travel

P/N	Description
VC-6200	ViewConn®

LIGHTEL VIEWCONN® PLUS

The ViewConn® Plus dual microscope design can significantly reduce inspection time. Patchcords drop into the top mounted scope, and with the flip of a switch, you can inspect in-adapter connectors with the hand held probe. In seconds, both male and female connector pairs can be inspected without changing tips.

Like all ViewConns, the VC-6200-PL has a built-in patchcord cleaner allowing you to inspect, clean and re-inspect the connector while helping keep your hands free. A USB output is included for image capture and storage on your PC.

P/N	Description
VC-6200-PL	ViewConn® Plus

LIGHTEL VIEWCONN® PRO

ViewConn® Pro (VC-8200) is an integrated system for fiber optic connector inspection, evaluation, documentation and cleaning. An integrated power meter is also available as a customer installable add-in. With built in Wi-Fi, ViewConn Pro can send its Pass/Fail analysis reports via email to other locations or store them directly within the unit.

The Lightel originated dual microscope concept allows rapid inspection of both male and female connectors without changing tips. The auto-centering feature allows faster connector endface location and analysis with the probe.

P/N	Description
VC-8200	ViewConn® Pro

LIGHTEL VC6-OPM/-H POWER METERS

The VC6-OPM and VC6-OPM-H are Lightel's optical power meters designed to integrate with ViewConn®. Able to store up to 999 readings, the VC6-OPM or VC6-OPM-H shares ViewConn's batteries and large easy-to-read display screen. They add accurate optical power testing to ViewConn's cleaning and inspection capabilities creating an integrated 3-in-1 hand-held device. Either OPM can be purchased in a set with a ViewConn, or added to your ViewConn when you need it.

- Calibrated Wavelength 850, 1300, 1310, 1490, 1550, 1625 nm
- Resolution 0.01 dB (0.1 dB when < -55 dBm)

P/N	Description
VC6-OPM	Power Meter. Power Range -60 ~ +10 dBm
VC6-OPM-H	Power Meter. Power Range -45 ~ +26 dBm

LIGHTEL CI-1100 FIBER OPTIC CONNECTOR INSPECTOR

- Comprehensive line of tips for both PC and APC type connectors, including extended tips in three lengths, 60° and 90° angled tips for applications with tight access, and tips for ribbon connectors
- Uses our Series 2 inspection tips, and can also use all our CI-1000 tips with an optional adapter

P/N	Description
CI-1100-A2	Connector Inspector
CI-1100-AB2	Connector Inspector with additional USB2.0 Adapter and image capture software CD

LIGHTEL DI-1000 DIGITAL INSPECTION PROBE

The ergonomically designed DI-1000 is Lightel's all digital video microscope probe. It connects directly to your PC through the computer's USB2.0 port. Featuring easy single finger focusing, a built-in image freeze/capture button, and detectable resolution to 0.5 μm, the DI-1000 package includes our free ConnectorView™ (standard) software, providing digital zoom, image display, image capture, auto-calibration and basic analysis tools.

The DI-1000 uses Series 2 inspection tips, and can also use all our CI-1000 tips with an optional adapter.

P/N	Description
DI-1000-XX	Digital Inspection Probe

Multiple configurations and adapter tips available. Please check with your TVC representative or www.tvcinc.com for details.



VC6-OPM-H



VC6-OPM



FIBER OPTIC/FTTx TEST



MICROSCOPES & VIDEOSCOPIES

JDSU FBE-S Access Kits

FBE-S Series kits are designed for the field installer who primarily encounters the more common applications in today's fiber optic networks. These kits include a FBE Series probe hard wired to a handheld video display. FBE Series probes utilize their own inspection tips (FBET Series), which will support the more common connector configurations in fiber networks.

P/N	Description
FBE-SM1	Probe Kit. Includes Video inspection probe microscope (200X) hard wired to HD3 display, interchangeable FBET inspection tips (4) in soft case, SC and LC bulkhead tips, Universal 2.5 mm and 1.25 mm patch cord tips; soft-sided carrying case
FBE-SM2	Probe Kit. Includes Video inspection probe microscope (400X) hard wired to HD3 display, interchangeable FBET inspection tips (4) in soft case, SC and LC bulkhead tips, Universal 2.5 mm and 1.25 mm patch cord tips; soft-sided carrying case
FBE-SM5	Probe Kit. Includes Video inspection probe microscope (400X) hard wired to HD3-P display with integrated patch cord microscope, interchangeable FBET inspection tips (2) in soft case, SC and LC bulkhead, interchangeable FMAE adapters (2) Universal 2.5 mm and 1.25 mm patch cord adapters, soft-sided carrying case



FIBER OPTIC/FTTx

JDSU FM-C SERIES FIBER MICROSCOPES

The FM-C200 is a ruggedized field scope with magnification of 200x and coaxial illumination. It comes with a universal 2.5 mm adapter for inspecting FC, SC and ST connectors.

The FM-C400 is a ruggedized field scope with magnification of 400x and coaxial illumination. It comes with a universal 2.5 mm adapter for inspecting FC, SC and ST connectors.

P/N	Description
FM-C200	C-Series Fiber Microscope 200x Coaxial Illumination, 2.5 mm FMA Adapter
FM-C400	C-Series Fiber Microscope 400x Coaxial Illumination, 2.5 mm FMA Adapter



JDSU FM-DI SERIES FIBER MICROSCOPE

The FM-DI100 is a dual illumination 100x Microscope. It uses a pair of white LED's to provide both coaxial and oblique illumination. This lighting technique facilitates detecting fine scratches and precisely determining their location relative to the core. The Microscope includes a universal 2.5 mm adapter for inspecting FC, SC and ST connectors. The DI Series accepts FMAE Series adapters, but can be configured to accept FMA adapters with the use of a coupler.

The FM-DI200 is a dual illumination 200x Microscope. It uses a pair of white LED's to provide both coaxial and oblique illumination. This lighting technique facilitates detecting fine scratches and precisely determining their location relative to the core. The Microscope includes a universal 2.5 mm adapter for inspecting FC, SC and ST connectors. The DI Series accepts FMAE Series adapters, but can be configured to accept FMA adapters with the use of a coupler.

P/N	Description
FM-DI100	DI-Series Fiber Microscope 100x, Dual Illumination, 2.5 mm FMAE Adapter
FM-DI200	DI-Series Fiber Microscope 200x, Dual Illumination, 2.5 mm FMAE Adapter



JDSU FM-L SERIES FIBER MICROSCOPE

The FM-L-series Microscopes use oblique illumination to provide users with a clear view of surface debris and core condition. It is available in 100, 160, and 200X magnification models that use energy-efficient light emitting diode (LED) illumination to provide 100,000+ hours of lamp life. The FM-L microscope uses FMA-series adapters that let users inspect various connector types. Also, its durability, ergonomic design, optical performance, and ease-of-use make it the optical instrument of choice for viewing fiber terminations in sensitive installations.

- Rugged, ergonomic design for field use
- LED illumination for 100,000+ hour life
- Oblique illumination for superior view of fiber end face cleanliness and core condition

P/N	Description
FM-L100	100X oblique illumination field microscope; 2.5 mm FMA adapter
FM-L160	160X oblique illumination field microscope; 2.5 mm FMA adapter
FM-L200	200X oblique illumination field microscope; 2.5 mm FMA adapter
FM-LX100	100X oblique illumination field microscope
FM-LX160	160X oblique illumination field microscope
FM-LX200	200X oblique illumination field microscope



FIBER OPTIC/FTTx TEST

MICROSCOPES AND VIDEOSCOPIES

JDSU HP3-60-P4 FIBER INSPECTION & TEST SYSTEM

The JDSU HP3-60-P4 (with integrated patch cord microscope) inspection and test system combines fiber inspection and optical power measurement into a single seamless handheld device. The result is a significant increase in workflow efficiency and a decrease in total inspection and test time.

The HP3-60-P4 system, derived from the popular HD3 series, provides high-quality image resolution in a compact, portable design. The integrated power meter offers quick, easy, and convenient field measurement of optical power and attenuation. Easy push-button operation makes the device simple and straightforward, while the inspect-test process establishes optimal workflow practices.

- Inspects both sides of fiber interconnect, and accurately tests and measures optical power with one device
- Integrated functions and features eliminate switching between multiple devices
- Input for FBP series probe microscope and a dedicated patch cord microscope (PCM) let users quickly and easily inspect both sides of fiber interconnects

P/N	Description
FIT-HP3-60	Handheld display with integrated Power Meter
FIT-HP3-60-P4	Handheld display with integrated Power Meter and 400X patch cord microscope
FIT-S105	KIT: Dual-mag (200/400X) fiber inspection probe microscope and tips, handheld display with integrated power meter and 400X PCM, carrying case
FIT-S105-C	KIT: Dual-mag (200/400X) fiber inspection probe microscope and tips, handheld display with integrated power meter and 400X PCM, cleaning materials, carrying case



FIBER OPTIC/FTTx

safety first

The Basic Rules For Safe And Efficient Testing

Thorough connector/adaptor care and cleaning is where accurate testing starts, as dirt or damage can lead to erroneous test results, poor transmission and even permanent harm to the link, especially in the case of high-power transmission. So before performing a connection, ensure that connectors/ adapters are clean and exempt of any defect.

- **Always** turn off any laser source before inspecting or cleaning connectors, components or bulkheads. Invisible radiation can seriously damage your eyesight.
- **Always** wear the appropriate safety glasses whenever required in the work environment.
- **Always** keep a protective cap on unused connectors, and store unused protective caps in sealed container, to prevent contamination.
- **Always** use appropriate optical cleaning tools.
- **Never** use alcohol, solvent or wet cleaning without a way to ensure that it does not leave a residue on the endface, as such a residue can harm the equipment.
- **Never** reuse any tissue, swab or cleaning reel. Always discard used tissues and swabs properly.
- **Never** pull or twist any fiber or test jumper.

Source: Compliments of EXFO

FLUKE NETWORKS FIBERINSPECTOR™ MINI & FIBERINSPECTOR™ PRO

The FiberInspector video microscopes enable inspection of end-faces on all types of installed fiber. The portable video microscopes project a crisp, clear image of microscopic debris and end-face damage. Use either the convenient Mini or the full-featured Pro that has a larger screen, rugged boot and wide array of adapter tips.

P/N	Description
FT500	FiberInspector Mini Video Microscope
FT525	FiberInspector Mini Video Microscope with Cleaning Kit
FT600	FiberInspector Pro Video Microscope
OFTM-5352	FiberInspector Pro for OptiFiber Certifying OTDR
OPV-FT600	FiberInspector Pro for OptiView Integrated Network Analyzer



FLUKE NETWORKS FIBERVIEWERS™

The FiberViewers are handheld microscopes used to inspect the ends of fiber optic connections. They ensure your termination is smooth, clean and ready for optical transmission. Inspect multimode and single-mode fiber end-faces quickly, and protect eyes from harmful infrared rays with the built-in safety filter.

P/N	Description
FT120	FiberViewer, 200X
FT140	FiberViewer, 400X



FIBER OPTIC/FTTx TEST



OPTICAL FIBER IDENTIFIERS

EXFO LFD-200 LIVE FIBER DETECTORS

The LFD-200 Live Fiber Detector allows you to accurately detect traffic and measures signals anywhere on single-mode and multimode fibers without having to disconnect them. Check for signal presence before rerouting or maintenance, perform continuity tests and check cable labeling. Based on non-destructive macrobending technology, this compact live fiber detector does not disrupt traffic, nor damage or overstress the fiber, enabling efficient, accurate and reliable data acquisition.

Applications

- Non-intrusive fiber identification
- Traffic direction verification

Key Features and Benefits

- Traffic, optical tone and continuous signal detection
- Direct dBm measurements
- LFD-200E model: wide power range of 23 to -50 dBm

P/N	Description
LFD-201	Standard live fiber detector without core power reading display (0 to -40 dBm)
LFD-202	Live fiber detector with core power reading display (0 to -40 dBm)
LFD-202E	Core power reading display (23 dBm to -50 dBm)

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

EXFO LFD-250B LIVE FIBER DETECTOR

Traditional live fiber detectors (LFDs) use thumb-activated fiber bending at a fixed angle to enable the detector to read the power leaking from the jacket. Since the bending is fixed and optimized for one wavelength and one fiber type, the bending often causes:

- Excessive loss
- Unreliable fiber detection (fiber activity is not detected)
- Unreliable tone/traffic detection
- Permanent damage to the fiber

The LFD-250B Live Fiber Detector introduces step-motor-activated bending and makes fixed-angle bending—and the drawbacks stated above—a thing of the past.

Applications

- Non-intrusive fiber identification and power measurement
- Traffic direction verification

Key Features and Benefits

- Induces minimal loss: ≤ 1 dB
- Fail-safe detection and results
- Detects if a fiber is active or not prior to maintenance
- Locates a particular dark fiber using tone recognition (270 Hz, 1 kHz, 2 kHz)
- Identifies traffic direction on a live fiber

P/N	Description
LFD-250B	Live Fiber Identifier



EXFO LFD-300B/TG-300B FIBERFINDER LIVE FIBER IDENTIFIER/TONE GENERATOR

Enables technicians to identify a specific live fiber without having to disconnect it and, above all, without having to guess. The end results: no more network outages caused by inadequate fiber detection or identification, and a minimized need to access the network, helping prevent errors.

Applications

- Non-intrusive power measurement and fiber identification

Key Features and Benefits

- Pinpoints a specific live fiber using EXFO's FiberFinder™ functionality
- Induces minimal loss: ≤ 1 dB
- Locates a particular dark fiber using tone recognition (270 Hz, 1 kHz, 2 kHz)
- Improved: faster test cycle—three times faster

P/N	Description
LFD-300B	Live Fiber Identifier
TG-300B	Tone Generator
TK-FF	FiberFinder kit, including one TG-300B, one LFD-300B and a soft carrying bag



FIBER OPTIC/FTTx TEST

OPTICAL FIBER IDENTIFIERS

AFL OFI OPTICAL FIBER IDENTIFIERS

The OFI 200D and OFI 400 Optical Fiber Identifiers are rugged, handheld, and easy-to-use fiber optic test instruments designed to detect optical signals transmitted through a single-mode fiber without disrupting traffic. During installation, maintenance, rerouting, or restoration it is often necessary to isolate a specific fiber. By simply clamping an Optical Fiber Identifier onto a gently bent fiber, the unit will indicate if there is [No Signal], [Tone], or [Traffic] and identify signal direction.

- Rugged, handheld, lightweight
- Accepts 250 μm , 900 μm coated fiber, 3 mm jacketed fiber cable, and ribbon fiber
- No head swapping or adjustments

P/N	Description
OFI 200D	Fiber Identifier. Includes User's guide and carry case
OFI 400	Fiber Identifier with relative core optical power display. Includes User's guide and carry case
OFI 400HP	High Power Optical Fiber Identifier. Includes user's guide and soft carry case



AFL OFI-FTTx ACTIVE ONT DETECTOR

The OFI-FTTx is a rugged, handheld optical fiber identifier designed to identify the presence or absence of an active Optical Network Terminal (ONT) on FTTx F2 fibers at the Fiber Distribution Hub (FDH). During a test the F2 fiber does not have to be removed from service. Thus the OFI-FTTx can verify whether a splitter pigtail at the FDH is connected to an active circuit before it is disconnected for fault location or re-use. The OFI-FTTx can help verify FTTx network records and recover splitter pigtails and F2 fibers that are connected at the FDH but, in fact, are available for new subscribers.

P/N	Description
OFI-FTTx	Active ONT Detector for PONs, user's guide and carry case



WILCOM OPTICAL FIBER IDENTIFIERS

Wilcom's Optical Fiber Identifiers are ruggedized and easy to use non-intrusive probes for installation and maintenance of fiber optic systems. These units are used by technicians to detect live and dark fibers, the direction of the traffic, relative core power and test tones. The units come with three easy-to-change adapter heads for jacketed, coated or ribbon fiber; optional 2 mm and 1.6 mm adapter heads are also available. Can be used for both single-mode and multimode. These units utilize local detection technology (non-destructive macro-bend detection); the need to open the fiber at the splice point for identification and interrupting services is eliminated.

P/N	Description
F6121A	Basic Optical Fiber Identifier with tone and lock
F6222	Enhanced Optical Fiber Identifier with digital display
F6222C	CATV Optical Fiber Identifier with digital display
F6225	Extended Range Optical Fiber Identifier



CORNING CHECKPOINT™ PRO

The Checkpoint™ PRO is a lightweight, handheld, easy-to-use tool to safely and effectively identify the transmission direction, fiber path and relative core power on live optical fibers.

The Checkpoint PRO uses the super-low insertion loss local detection method of macro-bending. This allows for detection of the optical signals during installation and maintenance without disconnecting the fiber or interrupting the traffic signal. The Checkpoint PRO eliminates the need to open the optical fiber at the splice point reducing the probability of interrupting service to your customer.

- Fixed head design
- Live traffic testing
- Tone signal testing
- Detects 2 kHz, 1 kHz and 270 Hz

P/N	Description
Checkpoint™ PRO	Fiber Identifier with carrying case and operating instructions



FIBER OPTIC/FTTx TEST

OPTICAL FIBER IDENTIFIERS



FITEL LIGHTFINDER™ ID-H/R FIBER OPTIC IDENTIFIER

The LightFinder™ ID-H/R Fiber Optic Identifier is a lightweight, handheld, easy-to-use tool to safely and effectively identify the transmission direction, fiber path, and relative core power on live optical fibers. The LightFinder™ Fiber Optic Identifier uses the super-low insertion loss local detection method of macro-bending. This allows for detection of the optical signals during installation and maintenance without disconnecting the fiber or interrupting the traffic signal.

- Wide dynamic range
- No Head changing or adjustments
- LCD screen adoption
- Detects the signal without disrupting traffic
- Detects the tone signal and traffic signal
- Super low insertion loss

P/N	Description
ID-H/R	LightFinder™ Fiber Optic Identifier



FIBER OPTIC/FTTx

JDSU FI-60 LIVE FIBER IDENTIFIER

The JDSU FI-60 LFI enables users to easily detect the optical signal without disconnecting fiber or disrupting network traffic. The FI-60 LFI also includes the unique JDSU SafeChek™ system, which ensures safe and repeatable engagement with most fiber types without the hassle of changing out costly dies. The FI-60 also converts to an Optical Power Meter (OPM), providing twice the value for your investment and reducing the number of tools carried on the job.

- SafeChek easy-pull trigger system ensures repeatable engagement with fiber cable
- LFI head accepts multiple cable diameters (250 μm to 3 mm jacketed fibers)
- Durable metal input adapters (2.5 and 1.25 mm) for OPM
- Measure both absolute (dBm) and relative (dB) power
- Store and recall up to 100 OPM readings

P/N	Description
FI-60	Live Fiber Identifier with removable LFI attachment



VISIBLE FAULT LOCATORS



EXFO FLS-240 POCKET PAL VISUAL FAULT LOCATOR

Straightforward solution for identifying breaks, bends, faulty connectors or splices, as well as other causes of signal loss.

Key Features and Benefits

- Detects faults over distances of up to 5 km
- Bright red laser at 635 nm
- Universal connector for 2.5 or 1.25 mm ferrule

P/N	Description
FLS-24X-UNIV	Pocket Pal Visual Fault Locator

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



AFL HiLite AND VF12 VISUAL FAULT IDENTIFIERS



The HiLite and VF12 are compact and powerful visible red laser sources designed to troubleshoot faults on fiber optic cables. Light generated by these units will escape from sharp bends and breaks in jacketed or bare fibers, as well as poorly mated connectors. They enable technicians to quickly identify faults in fiber optic jumper cables, distribution frames, patch panels, and splice trays.

- Visible red laser source, 650 nm
- High power, 1.0 mW
- Compact size

P/N	Description
VF12	VF12 unit, instruction card and carrying case
HiLite	HiLite unit, instruction card and carrying case



FIBER OPTIC/FTTx TEST

VISIBLE FAULT LOCATORS

Wilcom

WILCOM F6230A VISUAL FAULT LOCATOR

Wilcom's pocket Visual Fault Locator is an ideal tool for locating tight bends, bad connectors, and testing of continuity of fiber optic spans and patch cords. The unit comes with a universal connector which can connect to any 2.5 mm ferrule; an optional adapter for 1.25 mm ferrule is also available. Can be used for both single-mode and multimode.



P/N	Description
F6230A	Visual Fault Locator

GREENLEE VISUAL FAULT FINDER 170XL

The 170XL visual fault locator is an indispensable tool for quickly identifying bending losses and breaks in optical fibers. If a fiber is bent too tightly, red laser light will be seen escaping through the cable jacket. Likewise if a fiber is broken, escaping light will be visible where the break is located.

- Continuous wave output mode for steady fault location
- Find breaks to 3 km
- Easy-to-use quick interface fits all 2.5 mm connector interfaces (FC, SC, ST)

GREENLEE COMMUNICATIONS
A Teledyne Company



P/N	Description
170XL	Visual Fault Finder

CORNING VFL-350 VISUAL FAULT LOCATOR

The VFL-350 Visual Fault Locator is a compact pen design fault locator used to check single-mode and multimode optical fiber cables and components for faults or to locate individual fibers in a bundle. By transmitting a bright beam of red light into a fiber, breaks or improper terminations can be seen as a glowing red light. This device fits all 2.5 mm connector ferrules and is ideal for field installation of UniCam® MT-RJ and LC Connectors containing the continuity test set (CTS) feature. There is an optional 1.25 mm adapter for the LC connectors. The VFL-350 operates on two AAA batteries and emits laser light of 635 nm (Laser Class 2 in accordance with IEC 825-2) with an output power less than 1.0 mW. The robust and compact metal housing makes the device suitable for daily on-site use.

CORNING



P/N	Description
VFL-350	Visual Fault Locator. Includes dust cap, universal 2.5 mm adapter, 2 AAA batteries and carrying case

FLUKE NETWORKS VisiFAULT™ VISUAL FAULT LOCATOR

The VisiFault™ Visual Fault Locator (VFL) can diagnose and repair simple fiber link problems. The laser-powered VisiFault locates fibers, verifies continuity and polarity, and helps find breaks in cables, connectors and splices. Continuous and flashing modes make for easier identification. Compatible with 2.5 mm and 1.25 mm connectors for easy connection. Ruggedly constructed for demanding field-testing. Long battery life for hours of use.

FLUKE networks



- Locates faults including tight bends, breaks and bad connectors
- Accelerates end-to-end fiber checks
- Easily verifies polarity and identifies fibers

P/N	Description
VisiFault	Visual Fault Locator with 2.5 mm universal adapter
NF380	Universal VisiFault Adapter for connector with 1.25 mm ferrules

JDSU VISUAL FAULT LOCATOR

- Compact, ergonomic design for ultimate portability
- Visible wavelength is 650 nm
- High powered laser (1 mW) for single-mode (> 7 km) and multi-mode (> 5 km) connectors
- Continuous or Flash illumination
- Universal connector interface for quick and easy connection
- 2.5 mm connector input (1.25 mm adapter available)

JDSU



P/N	Description
FFL-100	Visual Fault Locator, Ruggedized - Includes 2.5 mm adapter
FFL-050	Visual Fault Locator, Pocket Size
FFL-U12	1.25 mm adapter for FFL-100
FFL-050-U25	1.25 mm adapter for FFL-050

FIBER OPTIC/FTTx TEST

FIBER OPTIC CLEANING SUPPLIES



AFL CLETOP CASSETTE CLEANER SERIES

The Cletop Connector Cleaner is a rugged palm-sized cleaner that offers exceptional performance with a proven track record. The choice of many leading manufacturers and telecom carries worldwide for nearly 20 years – Cletop is a name you can rely on.

- Cletop Series - Original version (proven reliability)
- Cletop – S Series - Second generation cleaner offering the same Cletop cleaning performance with “Drop-in” replacement tape cartridge and ergonomic design that works equally well for left or right handed operators

P/N	Description
Cletop – S Series	
8500-10-0020MZ	Cletop - SA with Blue Tape
8500-10-0029MZ	Cletop - SB with Blue Tape
8500-10-0016MZ	Cletop - SB with White Tape
8500-10-0021MZ	Replacement Tape Type S - Blue
8500-10-0017MZ	Replacement Tape Type S - White
Cletop – Original Series	
8500-10-0027MZ	Cletop Type A with Blue Tape
8500-10-0011MZ	Cletop Type A with White Tape
8500-10-0028MZ	Cletop Type B with Blue Tape
8500-10-0014MZ	Cletop Type B with White Tape
8500-10-0032MZ	Cletop for MT-RJ with pins (White Tape)
8500-10-0033MZ	Cletop for MPO/MTP with pins (White Tape)
8500-10-0012MZ	Replacement Tape Blue
8500-10-0015MZ	Replacement Tape White



FIBER OPTIC/FTTx

AFL ONE-CLICK CLEANER

The One-Click Cleaner is an easy-to-use option for cleaning connectors in adapters. Simply insert the One-Click Cleaner into an adapter and push until an audible “click” is heard. The One-Click Cleaner uses the mechanical push action to advance an optical grade cleaning tape while the cleaning tip is rotated to ensure the fiber end-face is effectively, but gently, cleaned.

- Cleans both APC and UPC connectors
- Ergonomic, comfortable design with single action cleaning
- Precise mechanical action delivers consistent cleaning results

P/N	Description
8500-05-0001MZ	One-Click Cleaner SC, ST, FC (500 cleans)
8500-05-0002MZ	One-Click Cleaner LC/MU (500 cleans)
8500-05-0004MZ	One-Click Cleaner ODC (outdoor connector, 500 cleans)
8500-05-0005MZ	One-Click Cleaner Mini-100 SC, ST, FC (100 cleans)
8500-05-0006MZ	One-Click Cleaner Mini-100 LC/MU (100 cleans)
8500-05-0007MZ	One-Click Ultra Cleaner 2.5 SC, ST, FC (enlarged cleaning area, 500 cleans)



CORNING SINGLE-FIBER AND MULTIFIBER CONNECTOR CLEANING KITS

The Single-Fiber and Multifiber Connector Cleaning Kits are designed for effective cleaning and visual inspection of fiber optic connector end-faces in LAN, central office and outside plant environments, whether fully accessible or through an adapter. Whether performing a ‘dry’ clean, ‘wet’ clean or a combination of the two, each kit offers all the products recommended for cleaning connectors. Since electrostatic discharge (ESD) is a concern during a ‘dry’ clean, these kits contain cleaners specifically formulated to dissipate static when the end-face is pulled across a cleaner surface or a stick is inserted into an adapter. To facilitate end-face inspection prior to mating, as recommended, a 200x microscope is included in the deluxe kits.

P/N	Description
TKT-CLEAN-SFC-M	Deluxe Kits contain recommended products to effectively clean and inspect 2.5 mm and 1.25 mm single-fiber connector
TKT-CLEAN-MFC-M	Deluxe Kits contain recommended products to effectively clean and inspect multi-fiber connectors such as MT-RJ and MTP® Connectors



FIBER OPTIC/FTTx TEST

OPTICAL FAULT LOCATORS

WILCOM FR2 FIBER RANGER FAULT LOCATOR

Wilcom's FR2 Fiber Ranger Fault Locator is a ruggedized, light weight and easy to use optical fault locator for both single-mode and multimode applications. It is designed with a reflective technology that allows you to pinpoint optical faults in the connectors, end of fiber, and clean breaks within 20 kilometers. This unit has been designed with the user in mind with easy to use features. It is a must have for testing applications in Wide Area Networks (WAN), telecommunications span of 20 Kilometers, fiber to the curb, and installation and maintenance of both single-mode and multimode fiber optic systems.

P/N	Description
FR2-SC	Optical Fault Locator
FR2-ST	Optical Fault Locator
FR2-FC	Optical Fault Locator

Wilcom



FIBER OPTIC/FTTx

PHOTONIX FLASHFINDER® AERIAL LEAK DETECTION PROBE

The PX-Q650 Flashfinder™ aerial leak detection probe is state of the art in precision fiber optic fault location. It is designed to find infrared radiation from firearm, rodent, or burn damage in aerial cables as well as internal splice enclosure fiber faults. While an OTDR can find approximate distance to a problem, pinpointing problems in the real world is more often about luck, intuition, or trial and error.

- Long range and local heads
- Sunlight and fluorescent light immunity
- Easy to use red-dot sighting scope
- Standard 9V battery operation

P/N	Description
PX-Q655	Flashfinder™ Set: LD Scope and HiPwr +5 Tracer Source
PX-Q656	Flashfinder™ Set: LD Scope and Dual HiPwr +5 Tracer Source
PX-Q657	Flashfinder™ Set: LD Scope and VHiPwr +15 Tracer Source

PHOTONIX
TECHNOLOGIES



PHOTONIX FLASHPISTOL™ LEAK DETECTION PROBE

The Flashpistol™ optical leak detectors are the most sensitive fiber light finding instruments on the market today. Designed to locate energy leaks in fiber optic systems due to splice loss, connector loss, breakage, or bending and to identify fibers over long distances. By simply sweeping over a fiber, the leak detection probe will give an audio and visual indication whenever it encounters a light loss point. Often performing the same function as a visible laser source, this product is used in OTDR dead zone areas or splice enclosures where exact pinpointing of a fault is critical.

- Identify Fibers At More Than 300 Kilometers
- Long Distance And Local Applications
- Optimize Mechanical Splices And Connectors

P/N	Description
PX-Q504	Flashpistol® LD Set: Probe and 1550 nm MedPwr +1 Tracer Source
PX-Q505	Flashpistol® LD Set: Probe and 1550 nm HiPwr +5 Tracer Source
PX-Q507	Flashpistol® LD Set: Probe and 1550 nm VHiPwr +15 Tracer Source



FTTx/IP TRIPLE-PLAY TEST

EXFO AXS-200/650 IP TRIPLE-PLAY TEST SET

Offers a quick, yet thorough method for deploying triple-play services - IP-based data, VoIP and IPTV - facilitated by Pass/Fail-driven automated tests.

- Simple, affordable residential IP triple-play testing with Pass/Fail indication
- IPTV and VoIP service assurance using a comprehensive range of QoS metrics
- Feature-rich, but cost-effective: Ethernet 10/100 termination and Ethernet 10/100 pass through with triple-play QoS measurements

P/N	Description
TK-AXS-650	IP Triple-Play Test Set

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

EXFO
EXPERTISE REACHING OUT



FIBER OPTIC/FTTx TEST

FTTx/IP TRIPLE-PLAY TEST

EXFO FTB-8525/8535 PACKET BLAZER FIBRE CHANNEL AND ETHERNET TEST MODULES

Fully integrated test solution for performance assessment of Fibre Channel and Ethernet networks.

Applications

- Fibre Channel service characterization
- Ethernet performance validation

Key Features and Benefits

- 1x, 2x, 4x and 10x full-line-rate Fibre Channel traffic generation and BER testing
- FC-0, FC-1 and FC-2 logical layer configuration for Fibre Channel port definition, testing and performance analysis
- Round-trip latency measurement and buffer-to-buffer credit estimation
- Complete EtherSAM (ITU-T Y.1564) test suite. EtherSAM is the new standard for turning up and troubleshooting mobile backhaul and business Ethernet services
- True wire-speed, stateful TCP throughput test for undisputable SLA reinforcement for Ethernet services
- Ethernet services performance validation through RFC 2544, BER testing and multistream generation and analysis
- 10 Mbit/s to 10 Gbit/s Ethernet testing capabilities

P/N	Description
FTB-85xx	Fibre Channel and Ethernet Test Modules

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

OPTICAL SPECTRUM ANALYZER

EXFO FTB-5240S/BP OPTICAL SPECTRUM ANALYZERS

The all-new FTB-5240S and FTB-5240BP Optical Spectrum Analyzer (OSA) series covers your DWDM applications and all channel spacings, from 50 GHz DWDM to CWDM. This is what we call “no-compromise performance”, whatever your network specificities and testing requirements.

Applications

- Characterization of all channel spacings, from 50 GHz DWDM to CWDM
- ROADM and 40 Gbit/s testing
- In-band OSNR ROADM testing

Key Features and Benefits

- In-band OSNR measurement for 40 Gbit/s and ROADM deployments
- One-button operation for easy setup and automatic measurement
- Truly portable spectral characterization for DWDM network commissioning
- Over 90 dB dynamic range per scan
- Flexibility to analyze WDM, EDFA, drift, spectral transmittance and DFB laser

P/N	Description
FTB-5240S	Optical Spectrum Analyzer
FTB-5240BP	High Resolution Optical Spectrum Analyzer

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



CWDM/DWDM ANALYZERS & OTDRs

EXFO FTB-7400E CWDM OTDR

Combines EXFO's renowned optical performance and unparalleled software analysis with both short dead zones and high dynamic range values, delivering the versatility needed to test long-haul, CWDM and metro links with a single OTDR.

Applications

- Metro and CWDM network testing

Key Features and Benefits

- Event dead zone of 0.8 m and attenuation dead zone of 4 m for pinpoint event location
- Low water peak fiber testing at 1383 nm for characterizing new fiber or assessing the degradation of legacy fiber
- Up to four test wavelengths for legacy, CWDM and DWDM link characterization
- Dynamic range of up to 42 dB for long-haul testing
- Tests through CWDM-based multiplexers and demultiplexers at ITU-recommended wavelengths

P/N	Description
FTB-7400E-CWS	Metro/CWDM OTDR. Wavelengths 1470 ±3/1490 ±3/1510 ±3/1530 ±3 nm
FTB-7400E-CWCL	Metro/CWDM OTDR. Wavelengths 1550 ±3/1570 ±3/1590 ±3/1610 ±3 nm

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx TEST

CWDM/DWDM ANALYZERS & OTDRs



EXFO FOT-5200 CWDM ANALYZER

Delivering extremely fast measurement of CWDM channel power.

Applications

- Installation, maintenance, repair of any CWDM network
- Cellular backhaul activation for telco and CATV operators

Key Features and Benefits

- Up to 16 CWDM channels
- Save and download data
- Broadband power-meter feature
- Bar graph, plus table of results
- Fastest and smallest CWDM tester on the market

P/N	Description
FOT-5200-C16-XX	FOT-5200 CWDM Analyzer

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.



FIBER OPTIC/FTTx

JDSU OCC-55 SMART OPTICAL CWDM CHANNEL CHECKER

The OCC-55 is an innovative selective Power Meter for CWDM applications. The OCC-55 is a low-cost alternative solution to optical spectrum analyzers. It scans CWDM systems and automatically records all channel key measurements including wavelength, frequency and related power level.

- Measure up to 18 CWDM wavelengths specified by ITU-T G.694.2 standards
- Report generation with OFS-355 SMART Optical Reporting Software

P/N	Description
BN 2277/40	OCC-55 CWDM Channel Checker



OCC-55

JDSU OCC-56 SMART OPTICAL DWDM CHANNEL CHECKER

The OCC-56 SMART Optical DWDM Channel Checker is an innovative selective Power Meter for DWDM applications. The OCC-56 is a low-cost alternative solution to optical spectrum analyzers (OSA) and automatically scans power levels for channels defined in the ITU-T grid.

- Supports C-band and L-band applications
- Low-cost alternative to an OSA

P/N	Description
BN 2277/41	OCC-56 C (C-band) CWDM Channel Checker
BN 2277/42	OCC-56 L (L-band) CWDM Channel Checker



OCC-56

DISPERSION ANALYZER

EXFO FTB-5700 SINGLE-ENDED DISPERSION ANALYZER

Combines CD and PMD measurement into a highly automated, high-efficiency, single-ended test solution.

Applications

- Accurate, complete 10 Gbit/s, 40 Gbit/s and 100 Gbit/s qualification
- Metro, core and long-haul network testing
- Underground and aerial cable testing

Key Features and Benefits

- Fewer truck rolls and reduced OPEX: single-ended testing of multiple links from one location
- Polarization mode dispersion (PMD) and chromatic dispersion (CD) measurements for all types of networks
- Accurate results on the first measurement, thanks to a testing approach compliant with the latest standards, including EIA/TIA FOTP-243 for PMD and EIA/TIA FOTP-175B for CD

P/N	Description
FTB-5700	Single-Ended Dispersion Analyzer; 1475 to 1626 nm

Multiple configurations available. Please check with your TVC representative or www.tvcinc.com for details.

