FIBER OPTIC/FTTx TEST

OTDRs

NOYES M700 COMPACT SINGLE-MODE OTDR

The M700 is a compact, full featured, single-mode OTDR that includes an integrated Visual Fault Locator (VFL), an Optical Power Meter (OPM) displaying up to three wavelengths simultaneously, and a large transflective touch screen display suitable for both indoor and outdoor operation.

The M700 OTDR supports Real Time, Full-Auto, and Expert (manual) modes, precision event analysis, dual-wavelength testing, rich file naming, and intuitive job set-up functionality. In addition to OTDR event analysis, Pass/Fail acceptance values can be set to alert the test operator of failing or marginal events. Using one of the Least Squares Approximation (LSA) loss methods, events may be added or deleted manually.

- 38 / 36dB dynamic range @ 1310 / 1550 nm
- Integrated OPM and VFL (650 nm)

P/N	Description
M700-11-0901PR	Single-mode OTDR. 1310/1550 nm; Test Port Adapters: SC, FC, and LC

M700

NOYES M650 COMPACT QUAD OTDR

The M650 is a compact, full-featured, QUAD OTDR with an integrated Visual Fault Locator (VFL, 650 nm), Optical Power Meter (OPM), and a large transflective touch screen display suitable for both indoor and outdoor operation. With short dead zone and intermediate range specifications, the M650 is ideal for Tier 2 testing of premises (building and campus) networks.

The M650 OTDR supports Full Auto, Expert (manual), and Real-Time test modes, precision event analysis, dual-wavelength testing, rich file naming, and an intuitive job setup functionality. In addition to OTDR event analysis, Pass/Fail acceptance values can be set to alert the test operator of failing or marginal events. Using one of the Least Squares Approximation (LSA) loss methods, events may be added or deleted manually.

- 22dB (MM), 26dB (SM) dynamic range
- Integrated OPM and VFL (650 nm)

P/N	Description
M650	M650 Compact QUAD OTDR

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

M650

NOYES OFL 200 SINGLE-MODE OTDR

The OFL 200 OTDR sets new standards for size, weight, ease-of-use, and value in a telco/broadband OTDR. Smaller than many optical loss test sets, the OFL 200 has the range, features, and price to make it the perfect OTDR for outside plant crews installing and maintaining optical fiber cables in broadband, metro, access, and FTTx networks. Unlike 'optical fault locators', which detect only reflective events, the OFL 200 is a true OTDR, which detects fiber backscatter as well as Fresnel reflections. Thus, the OFL 200 can locate reflective and non-reflective breaks, including those caused by crushed fibers. In addition, the OFL 200 provides an integrated 650 nm visual fault locator (VFL) for short distance troubleshooting and fiber tracing.

- 1550 or 1625 nm single-mode OTDR
- Locates reflective and non-reflective breaks

OFL 200

P/N	Description
OFL 200-1550	Single-mode OTDR. 1550 nm
OFL 200-1625	Single-mode OTDR. 1625 nm

Both models include SC, FC adapter caps (ST, LC available), universal AC power adapter, country-specific line cord, user's guide, and carry case.

NOYES OFL 250 HANDHELD OTDR

The OFL 250 is a single-mode OTDR with an integrated Optical Power Meter (OPM), 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 OFL 250 is ideal for testing optical fibers in service provider metro areas and FTTx networks.

The OFL 250 provides automatic and manual setup, precision event analysis, multiple-wavelength testing, 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.

- Multiple-wavelength single-mode OTDR
- 1.5 m (typical) event dead zone

OFL 250

P/N	Description
OFL2-26-0910PR	Single-mode OTDR 1310/1550 nm
OFL2-26-0924PR	Single-mode OTDR 1310/1550/1625 nm

FIBER OPTIC/FTTx

OTDRs

EXPERTISE REACHING OUT

EXFO AXS-100 Access OTDR

Powerful handheld units combining OTDR and Power Meter functionalities, optimized for FTTx PON certification and troubleshooting, as well as for premise network testing.

- Specifically designed for in-service PON troubleshooting
- Event dead zone as low as 0.8 m, for easy location and characterization of all events
- Multiple options, including Power Meter, Visual Fault Locator (VFL), Fiber Inspection Probe, Printer and IP testing
- Fault Finder mode, for quick identification/location of fiber breaks
- Smart software option providing Pass/Fail status at all wavelengths, as well as span loss, ORL, fiber length and macrobend locations in a single window

AXS-100

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

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

EXFO AXS-110 All-Fiber OTDR

Powerful handheld units combining OTDR and Power Meter functionalities, optimized for FTTx PON certification and troubleshooting, as well as for premise network testing.

- A high-performance OTDR solution for single-mode and/or multimode installations
- A convenient and cost-effective solution for all LAN/WAN and short-haul fiber networks
- Pass/Fail features that comply with industry standards such as TIA 568c and IEEE 802.3ah

AXS-110

P/N	Description
AXS-110-SM	Single-mode OTDR. Ideal for FTTx/access and CATV testing; 1310/1550 nm, 32/30dB
AXS-110-MM	Multimode OTDR. Optimized for enterprise/premises/private network testing on both 50 and 62.5 μm multimode fiber; 850/1300 nm, 24/25dB
AXS-110	All-Fiber OTDR. Combines single-mode and multimode capabilities for enterprise/campus/access networks; 850/1300/1310/1550 nm, 24/25/32/30dB

EXFO FTB-150 Compact OTDR

Small, lightweight OTDR-dedicated platform factory-configured to house any EXFO OTDR configuration. Takes EXFO's OTDR technology to the next level of user-friendliness.

- Small, lightweight OTDR-dedicated platform
- Tests up to four wavelengths
- The industry's fastest acquisition times
- Shortest dead zones available

FTB-150

P/N	Description
FTB-150-ACCESS	Single-mode OTDR. 1310/1550 nm, 37/35dB
FTB-150-LH	Single-mode OTDR. 1310/1550 nm, 45/43dB
FTB-150-FTTx	Multimode OTDR. 1310/1490/1550/1625 nm, 39/35/38/36dB
FTB-150-METRO	Single-mode OTDR. 1310/1550/1625 nm, 42/41/41dB
FTB-150-QUAD	Single-mode & Multimode OTDR. 850/1300/1310/1550 nm, 27/26/36/34dB
FTB-150-MM	Multimode OTDR. 850/1300 nm, 27/26dB

EXFO FTB-200 Compact Platform OTDR

FTB-200

The smaller, lighter platform built for the supertech. Combines single-mode and multimode fiber test functionalities, ideal for FTTx, metro/access and long-haul network testing. Accommodates two field-interchangeable modules ranging from OTDRs and loss testers to CWDM/OTDR's and Ethernet analyzers.

- New software functionalities for simpler, faster OTDR testing
- Designed for the field: lightweight and compact; resistant to shock, water, dust and common chemicals; door panels for extra port protection
- Battery-powered solution for OTDR, Ethernet and loss testing

P/N	Description
FTB-200	Modular compact platform OTDR. 850/1300/1310/1490/1550/1625/1650 nm

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

OTDRs

EXFO FTB-7200D LAN/WAN OTDR

Combines single-mode and multimode fiber test functionalities aimed at premise/private/enterprise network testing. Offers short dead zones, an easy-to-use software interface and controlled launch conditions for accurate measurements.

- Dynamic range of up to 36dB
- Four wavelengths (12CD-23B model) combined with an optional visual fault locator
- 850, 1300, 1310 and 1550 nm wavelengths with respective dynamic ranges of 27, 26, 36 and 34dB
- Controlled launch conditions, for more accurate loss measurements

P/N	Description
FTB-7200D-12CD	Multimode OTDR. 850 ± 20/1300 ± 20 nm; 27/26dB
FTB-7200D-12CD-23B	Single-mode & Multimode OTDR. 1310 ± 20/1550 ± 20 nm; 36/34dB

FTB-7200D

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 (± 20 nm); 35/35dB

920XC

CORNING OV-1000 OTDR

The OV-1000 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 and the OV-1000 utilizes Windows® CE technology which allows for a fast power-up time of four seconds from sleep mode.

OV-1000

P/N	Description
1000BK-SD37	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
1000DK-SD37	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 Batch PC batch processing software, cleaning supplies and hardshell transit case

OTDR ACCESSORIES

NOYES OTDR FIBER RINGS

Fiber Rings of 150m of fiber are ideal for premises fiber network test applications. Fiber Rings of 500m and 1km 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.

FR1

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 carabineer 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	
Part numbers vary to customers needs. Please check with your TVC representative or www.tvcinc.com for details.	

OPTICAL POWER METERS

NOYES 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)

OPM1

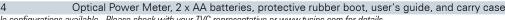| P/N	Description
OPM 1-2C	Calibrated at 850, 1300, 1310, and 1550 nm for testing LAN, Ethernet, FDDI, Token Ring, and single-mode fiber systems such as Telco, WAN, and CATV
OPM 1-3C	Operates at 850, 1300, 1310, and 1550 nm but offers greater temperature stability needed for outside plant 1550 nm testing as with WAN, CATV, and Telco systems

NOYES 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 & switching)
- Multiple-wavelength testing

OPM4

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.

NOYES 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
- Wave ID (auto identification & switching)
- 270Hz, 330Hz, 1kHz, 2kHz Tone detection

OPM5

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.

NOYES 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 our OPM, T400, T500B, and ORL 3B series test sets or OFS 300-200C and VS 300 microscopes.

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

NOYES CSM1-3 CONTRACTOR SERIES OPTICAL POWER METER

CSM1

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	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.

FIBER OPTIC/FTTx TEST

OPTICAL POWER METERS

Wilcom

WILCOM FTTx POWER METERS

The FM Series Fiber Meters are hand-held, compact, lightweight, and easy-to-use battery powered optical power meters.

The optical input port on the FM power meters accept 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 - FTTx. Application: Wavelengths 850, 1310, 1550; Power Range is +5dBm to -70dBm
FM8515C	Optical Power Meter – FTTx. Application: Wavelengths 850, 1310, 1550; Power range is +23dBm to -50dBm

FM8515

FIBER OPTIC/FTTx

EXFO FPM-300 NETWORK TESTING - OPTICAL

EXFO EXPERTISE REACHING OUT

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

• Highly accurate unit offering 10 calibrated wavelengths and reference values
• No offset nulling required, reducing measurement time
• Three-year warranty and recommended calibration interval, for dramatically reduced cost of ownership

P/N	Description
FPM-302	Power Meter - Ge detector. Power Range: +10 to -60dBm
FPM-302X	Power Meter - High-power Ge detector. Power Range: +26 to -50dBm

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

FPM-300

EXFO FPM-600 NETWORK TESTING - OPTICAL

The FPM-600 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.

• 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 26dBm)
• User-configurable Pass/Fail thresholds with LED indicator

FPM-600

P/N	Description
FPM-602	Power Meter - Ge detector. Power Range: +10 to -70dBm
FPM-602X	Power Meter - High-power Ge detector. Power Range: +26 to -55dBm

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

EXFO PPM-350C - PON POWER METER

The PPM-350C is optimized for FTTx service activation and maintenance, this highly versatile handheld unit is available in one-port and two-port pass-through configurations.

• Full OLT-to-ONT communication while testing
• Simultaneous measurement and display of voice, data and video signals on BPON, EPON and GPON architectures
• Ten user-definable threshold sets, as well as pass/fail analysis features
• Filtered measurements, providing distinct power values for each signal (1310 nm, 1490 nm and 1550 nm)

PPM-350C

P/N	Description
PPM-352C	PON power meter, two ports, BPON, extended range EPON, GPON

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

GREENLEE 560XL FIBER OPTIC POWER METER

GREENLEE A Textron Company

• 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 - approx. 100 hours continuous operation
• User selectable auto shut-off

560XL

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

OPTICAL LASER SOURCES

NOYES 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

OLS2

NOYES 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

OLS4

NOYES 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

OLS7

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

NOYES CSS1-SM CONTRACTOR SERIES DUAL LASER LIGHT SOURCE

CSS1-SM

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

OPTICAL LASER SOURCES

EXFO
EXPERTISE REACHING OUT

EXFO FLS-300 - LIGHT SOURCE

A versatile, complete light source available with up to three single-mode wavelengths on a single port, or four wavelengths (two multimode and two single-mode) on two ports.

• Multifunctional light source: up to three single-mode wavelengths on a single port, or four wavelengths (two multimode, and two single-mode) on two ports
• Three-year warranty and recommended calibration interval
• Can transmit with a wavelength-identification digital encrypted protocol so that any compatible unit can automatically use the proper calibration parameters

P/N	Description
FLS-300	Light Source

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

FLS-300

EXFO FLS-600 - LIGHT SOURCE

Offers Laser, LED and VCSEL models, as well as various wavelength options. Helps you save time by building a list of your "favorite" wavelengths, providing for a faster sweep when testing.

• 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
• Controlled multimode launching output

P/N	Description
FLS-600	Light Source

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

FLS-600

GREENLEE 580XL LASER SOURCE

• 1310/1550 nm wavelengths
• Stable calibrated output
• Fixed connector interface FC, ST, SC
• Continuous wave and modulated output
• Long battery life - approx. 80 hours continuous operation
• User selectable auto shut-off
• Rugged and splash-proof

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

GREENLEE
A Textron Company

580XL

FITEL ID-L LIGHT SOURCE

The Light Source ID-L used in conjunction with our 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, 270Hz, 1kHz, and 2kHz. The ID-L is battery powered and includes an auto-shutdown function.

• Operates more than 16 hours by battery (auto shutdown function)
• SC, FC, ST, DIN and DIA connectors are available
• Used in conjunction with the Fitel ID-H LightFinder™ optical identifier
• 1310 nm/1490 nm/1550 nm/1610 nm outputs
• Lightweight design for easy handling
• Removable adapter for easy cleaning

P/N	Description
ID-L	Light Source

ofs
Leading Optical Innovations

ID-L

FIBER OPTIC/FTTx

OPTICAL TEST KITS

NOYES
AFL Telecommunications

NOYES SLP4-6D SINGLE-MODE TEST KIT

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.

- Wave ID (auto identification & switching)
- Dual or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone

SLP4-6D

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

NOYES SLP4-FTTH AND SLP4-7 TRIPLE WAVE TEST KIT WITH WAVE ID AND SET REFERENCE

The SLP4 triple wavelength single-mode Test Kits are available in two models, SLP4-FTTH and SLP4-7. 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.

- Wave ID (auto identification & switching)
- Triple, dual, or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone

SLP4-FTTH

P/N	Description
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

NOYES 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 & switching)
- Triple, dual, or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone

SLP5 -7

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

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

CKSM-2

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

OPTICAL TEST KITS

NOYES
AFL Telecommunications

NOYES 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)
• 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.

C880

JDSU

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

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

OLR-55

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 single-mode source (SC port), and carrying case
FTK1450	Complete Fiber Verification Kit: Includes SimpliFiber Pro Power Meter, 850/1300 and 1310/1500 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 multimode source (SC port), and carrying case
FTK1300	Full-Featured Verification Kit with FiberViewer: Includes SimpliFiber Pro Power Meter, 850/1300 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 source (SC port), FindFiber Remote ID source, FT500 FiberViewer Video Microscope, VisiFault VFL, LC and ST adapters, and carrying case

FTK1350

OPTICAL TEST KITS

CORNING

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 OT-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.

OTS-600

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

P/N	Description
OTS-600	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 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. The units can be powered by standard AA alkaline batteries, or by the supplied AC power adapters.

- 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

LTK-400

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

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.

- Clear, LED-based Pass/Fail assessment
- Straightforward step-by-step loss testing wizard for error-free, semi-automated results displayed on a high-legibility color screen
- Fiber inspection probe port to prevent dirty and damaged connector problems
- Visual fiber location capabilities for quick and easy troubleshooting
- CWDM test solution features fiber inspection probe port and optional visual fiber locator and high power detector

AXS-200/350

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

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

GREENLEE MULTIMODE AND SINGLE-MODE FIBER OPTIC TEST SET

GREENLEE

- 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
- Rugged package design

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

5890

FIBER OPTIC/FTTx TEST

MICROSCOPES AND VIDEOSCOPES

NOYES AFL Telecommunications

NOYES VS 300 VIEW SAFE INSPECTION SCOPE

The VS 300 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
VS 300	Inspection Scope, 2 x AA batteries, neck strap, 2.5 mm universal adapter cap, and user's guide

VS 300

NOYES OFS 300 OPTICAL MICROSCOPE

The OFS 300 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
• Universal adapter interface

P/N	Description
OFS 300	Inspection Scope, 2 x AA batteries, neck strap, 2.5 mm universal adapter cap, user's guide

OFS 300

LIGHTEL VIEWCONN PLUS

LIGHTEL TECHNOLOGIES INC.

ViewConn Plus enables inspection of both male and female connectors at the flip of a switch. You can even clean the patchcord connector right on the ViewConn.

• Eye-safe video viewing
• Ruggedized cover for field use
• Inspect male and female connectors

ViewConn Plus

P/N	Description
ViewConn Plus	Includes: ViewConn with CleanConn (CC-1), Tip for 2.5 mm PC connectors, Tip for 1.25 mm PC connectors, 4 x AA battery set, 6V DC power adapter, USB2.0 mini-B cable, CD for USB video driver & display/capture software, Handset Probe, Tip for SC/PC in bulkhead adapters, AA battery charger, Spare CC-1, Ruggedized cover

LIGHTEL VC6-OPM POWER METER

• View readings on large ViewConn display screen
• Power range -60 to +10dBm
• Resolution 0.01dB
• Wavelengths 850,1300, 1310, 1490, 1550, 1625 nm
• Store readings and download later by USB interface

VC6-OPM

P/N	Description
VC6-OPM	Power Meter

EXFO FIP-400 FIBER INSPECTION PROBE

EXFO EXPERTISE REACHING OUT

Highly versatile probe to detect dirty/damaged connectors with unparalleled precision.

• Easy back-panel connector inspection
• Truly rugged and lightweight solution for the field
• Image-capture capability for report documentation

FIP-400

P/N	Description
FIP-400	Fiber Inspection Probe. Standard accessories include Video inspection probe (single or dual magnification); FC-SC tip for bulkheads; U25M universal patchcord tip for 2.5 mm ferrules; 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.

MICROSCOPES AND VIDEOSCOPES

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 hardwired 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 200x FBE Probe Hardwired to HD3 Display; Tips for Inspecting SC and LC Bulkheads (Female) and Patch Cords (Male); Soft Case
FBE-SM2	Probe Kit. Includes 400x FBE Probe Hardwired to HD3 Display; Tips for Inspecting SC and LC Bulkheads (Female) and Patch Cords (Male); Soft Case
FBE-SM5	Probe Kit. Includes 400x FBE Probe Hardwired to HD3 Display with Integrated Patch Cord Inspection Module; Tips for Inspecting SC and LC Bulkheads (Female); Adapters for Inspecting SC and LC Patch Cords (Male); Hard-Sided Carrying Case

FBE

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 2.5mm 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 2.5mm adapter for inspecting FC, SC and ST connectors.

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

FM-C

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 2.5mm 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 2.5mm 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 Adapter
FM-DI200	DI-Series Fiber Microscope 200x, Dual Illumination, 2.5 mm Adapter

FM-DI

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-L200	L-Series Fiber Microscope 200x Oblique Illumination, 2.5 mm Adapter

FM-L

MICROSCOPES AND VIDEOSCOPES

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 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

FIT-HP3-60

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

TKT-CLEAN-SFC-M

TKT-CLEAN-MFC-M

safety first

The Basic Rules For Safe And Efficient Testing

Thorough connector/adapter 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

OPTICAL FIBER IDENTIFIERS

NOYES
AFL Telecommunications

NOYES 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.

OFI 200D

- 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 400

WILCOM OPTICAL FIBER IDENTIFIERS

Wilcom

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 comes with 3 field 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 are eliminated. These units are a must have for any technician that is installing, maintaining, rerouting or restoring a fiber optic system.

F6121A

P/N	Description
F6121A	Basic OFI w/tone and lock
F6222	Advance OFI w/digital display
F6222C	CATV OFI w/digital display
F6225	Extended Range OFI

F6222C

EXFO
EXPERTISE REACHING OUT

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

Pinpoints a specific live fiber without having to disconnect it and without having to guess. The end result: no more network outages caused by inadequate fiber detection/identification, and a minimized need to access the network, helping prevent errors.

LFD-300

- Induces minimal loss: $\leq$ 1dB for any fiber and at any wavelength
- Locates a particular dark fiber using tone recognition (270 Hz, 1kHz, 2 kHz)
- Measures the power transmitted on the fiber

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

TG-300

CORNING CHECKPOINT™ PLUS FIBER IDENTIFIER

CORNING

The CheckPoint™ Plus Fiber Identifier uses non-destructive, local detection technology to ensure fiber integrity and provide reliable identification. It safely clips onto fibers in midspan to detect the presence of a signal without interrupting traffic with LEDs indicating the type of signal and transmission direction. The integral Power Meter simultaneously displays the relative core power, allowing isolation and measurement of faults and in-line components such as splitters, splices and connectors.

- Passive detection of traffic
- Supports multiple sizes
- 850 nm – 1700 nm range

P/N	Description
CheckPoint Plus	Fiber Identifier with integral meter. Includes leather carrying pouch, operating instructions and 3 interchangeble adapters (FI-30418, FI-30419, FI-30420)

CheckPoint™ Plus

Leading Optical Innovations

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.

- Easy to use hand-held installation and maintenance tool
- Lightweight design for handheld use
- Carrying case attaches easily to belt or tool pouch (included)

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

ID-H/R

VISIBLE FAULT LOCATORS

GREENLEE
A Textron Company

GREENLEE VISUAL FAULT FINDER 170XL

- Finds breaks to 3km
- Blinking output mode increases viewing contrast
- Easy-to-use quick interface fits all 2.5 mm connector interfaces (FC, SC, ST)
- 1.0mW output power

P/N	Description
170XL	Visual Fault Finder

170XL

NOYES HILITE AND VFI2 VISUAL FAULT IDENTIFIERS

The HiLite and VFI2 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
VFI2	VFI2 unit, instruction card, and carrying case
HiLite	HiLite unit, instruction card, and carrying case

NOYES
AFL Telecommunications
VFI2
HiLite

WILCOM F6230A VISUAL FAULT LOCATOR

The F6230A 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. It is a must have item for every fiber optic technician.

P/N	Description
F6230A	Visual Fault Locator

Wilcom
F6230A

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.

- Detects faults over distances of up to 5 km
- Bright red laser at 635 nm
- Pulsed and CW operation for up to 50 hours (typical)
- Universal connector for 2.5 or 1.25 mm ferrule

P/N	Description
FLS-240	Pocket Pal Visual Fault Locator; 635 nm
FLS-230A	Visual Fault Locator; 650 nm

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

FLS-240
FLS-230A

FIBER OPTIC/FTTx TEST

VISIBLE FAULT LOCATORS

CORNING

CORNING VFL-350 VISUAL FAULT LOCATOR

VFL-350

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 1.0mW. The robust and compact metal housing makes the device suitable for daily on-site use.

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

FLUKE VISIFAULT VISUAL FAULT LOCATOR

FLUKE networks®

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.

- 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

VisiFault

JDSU VISUAL FAULT LOCATOR

JDSU

- Locate bends, breaks, or damages in fiber-optic cable
- Continuous or flashing illumination
- Class 2 Laser with 1.0 mW for 7km for single-mode and 5km for multimode
- Equipped with standard 2.5 mm interface for SC, ST, and FC connectors

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

FFL-100

OPTICAL FAULT LOCATORS

Wilcom

WILCOM FR2 FIBER RANGER FAULT LOCATOR

The 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 to 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

FR2

Fiber Optic Cleaning Supplies

Noyes 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

8500-10-0016MZ
8500-10-0017MZ
8500-10-0011MZ
8500-10-0012MZ

Noyes 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	Cleans SC, ST, and FC connectors in adapters and exposed 2.5mm ferrules
8500-05-0002MZ	Cleans LC and MU connectors in adapters and exposed 1.25mm ferrules

JDSU FCR-001 CleanChek Connector Cleaner

The FCR-001 CleanChek™ Connector Cleaner is a simple solution for cleaning male fiber optic connector end-faces. CleanChek™ is highly effective in completely removing all types of debris, dust particles, oil and grease from fiber surfaces, and eliminates the need for many other cleaning alternatives such as solvents, optical wipes, swabs or compressed gases.

P/N	Description
FCR-001	CleanChek Connector Cleaner
FCR-002	Box of 6 Replacement Reels for CleanChek

FCR-001

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.

TK-AXS-650

FIBER OPTIC/FTTx TEST

WDM/Optical Spectrum Analyzers

EXFO FTB-5240S - Optical Spectrum Analyzer

High-resolution, high-precision optical spectrum analyzer (OSA) that covers your DWDM applications and all channel spacings, from 50 GHz DWDM to CWDM.

- Truly portable spectral characterization for DWDM network commissioning
- In-band OSNR measurement for 40 Gbit/s and ROADM deployments
- Automated channel discovery feature for easy setup and measurement
- Over 90dB dynamic range per scan

P/N	Description
FTB-5240S	Optical Spectrum Analyzer; 1250 to 1650 nm; 18 to -75dBm

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

FTB-5240S

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 Analyzers

EXFO FTB-5700 CD/PMD - Single-Ended Dispersion Analyzer

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

- Single-ended PMD and CD measurements
- Complete dispersion analysis with a single module, a single connector and a one-step test setup
- Unparalleled software user-friendliness: all automated
- Testing range: up to 140km

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.

FTB-5700

Fibre Channel Testers

EXFO FTB-8525/8535 Packet Blazer - Fibre Channel and Ethernet Test Modules

Deliver FC-0, FC-1 and FC-2 logical layer Fibre Channel testing for services delivered via transport protocols such as DWDM, SONET/SDH and dark fiber.

- 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
- Ethernet service performance validation through RFC 2544, BER testing and multistream generation and analysis

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.

FTB-85