

Datacomtools.com™

The Web's Best Source for Telecom Tools and Testers



Cleaning Kits p.20



Fiber Strippers p.08



Test Kits p.28



Order Online at: www.datacomtools.com

Fiber Optic 2009 Catalog
(800) 543.4333





p.28

SIGNALTEK-FO

The SIGNALTEK-FO is the first and only tester to qualify both copper and fiber-optic cabling to IEEE 802.3 standards. All in one unit that's less than the price of an optical test set.



p.10

Media Converters

Convert your copper to fiber with a Unicom media converter! The VELOCITY Series represents the newest, most advanced generation of signal conversion technology. All converters include external power supplies.



MicroCare

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Fiber Cleaning

MicroCare produces chemicals used as cleaners, lubricants and coatings. The MicroCare result is improved efficiencies, lower costs, higher quality, reduced worker exposures to chemicals, and the minimization of any environmental impacts.



p.02

LightCrimp Plus

Easiest and quickest fiber termination available. Connections take under a minute.



Shipping Methods

- In stock products will ship the same day if ordered before 4pm EST Mon-Fri. Our standard shipping method is UPS but other methods are available.
- Free ground shipping on orders over \$100*
- APO orders ship via US Mail.



Payment Methods**

Government/Corporate Purchase Orders

Orders that have been submitted for credit approval must be accompanied with credit references. Orders that have been approved for terms will be Net 30 Days. Please allow 24 hours for credit approval.

PayPal

Web purchases can be easily paid thru PayPal.



Credit Cards:

Product can be ordered by Credit Card.

We accept Visa, Mastercard, Discover, and American Express.



Return Policy

Products may be returned up to 30 days after date of purchase. Goods must be in their original unopened packaging. A credit will be issued after equipment has been received, inspected and found to be in resalable condition. A restock fee may apply to opened packages. Credit will only be applied to the product not shipping or expediting charges. To return a product call 1.800.543.4333 x159 to request RMA#. All Returns must have the RMA# clearly marked on the outside of the box. All unauthorized returns will be refused.

Returns are to be sent pre-paid to:

Datacomtools 79 Harborview Avenue Stamford, CT 06902.

All product warranties are manufacturer warranties, unless noted.



**Live online support
www.datacomtools.com**

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How to Order

Phone:

1.800.543.4333

Fax:

203.325.2198***

Online:

www.datacomtools.com

Mail:

www.datacomtools.com
79 Harborview Avenue
Stamford, CT 06902

- * In the contiguous states, Certain items may not apply.
- ** Prices are subject to change.
- *** Fax orders pending credit approval.

Datacomtools is not responsible for typographic and printing errors.

LightCrimp Plus



Easiest and quickest fiber termination available.

- Connections take under a minute.
- Limited or no training required
- No polishing needed: simply strip, cleave, and crimp.
- Factory-polished to a consistent high quality end finish-eliminates return loss concerns.
- No epoxy, curing ovens, or ultraviolet; no power needed.

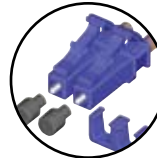
1278118-4	Universal Lightcrimp Plus kit.....	\$1185.00
492642-1	SC style connector 62.5µm.....	\$9.30
492643-1	ST style connector 62.5µm.....	\$10.50
1278082-1	ST style, 50/125µm multimode.....	\$10.50
1278079-1	SC style, 50/125µm multimode.....	\$10.00
1754483-1	LC simplex connector, 62.6/125µm.....	\$12.15
1754483-2	LC simplex connector, 50/125µm.....	\$12.15
1754482-1	LC simplex connector singlemode.....	\$18.70



ST Connectors



SC Connectors



LC Connectors



Compatible with
**FAST-CURE &
THREADLOCK**
Connectors

Opt-X Light Tool Kit

The Opt-X Light Fiber Tool Kit contains all the essential for field termination of Leviton's Fast-Cure & Threadlock connectors. It's convenient, cost-effective, as well as single/multimode compatible.

- All essential tools necessary for fiber connector terminations.
- Singlemode and multimode compatible.
- 100X inspection scope with oblique illumination, precision optics and laser safety filters.
- 900µm buffer remover tool provides easy buffer removal without breaking fiber, plus-0mm.
- +127mm accuracy without adjustments.

49800-MTK	Opt-X light tool kit.....	\$370.00
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Opt-X Fast-Cure Tool Kit



Kit Includes:

- Lightweight case
- 200x inspection scope
- Buffer remover
- Polishing pad
- 2.55mm & polishing fixture
- LC scope adapter
- Fiber optic crimp tool
- Safety glasses
- Scissors
- Jacket stripper
- Music wire

49800-FTK	Opt-X-Fast-cure tool kit.....	\$749.00
49990-MST	ST Fast-cure multimode 62.5 or 50µm.....	\$7.00
49990-MSC	SC Fast-cure multimode 62.5 or 50µm.....	\$5.50
49990-MFC	FC Fast-cure multimode 62.5 or 50µm.....	\$7.75
49990-ML2	LC Fast-cure multimode 3mm boot.....	\$8.45
49990-MDL	LC Fast-cure multimode 9mm boot.....	\$8.45
49990-SST	ST Fast-cure connector singlemode.....	\$6.10
49990-SSC	SC Fast-cure connector singlemode.....	\$7.75
49990-SFC	FC Fast-cure connector singlemode.....	\$9.50
49990-SL2	LC Fast-cure singlemode 3mm boot.....	\$10.90
49990-SDL	LC Fast-cure singlemode 9mm boot.....	\$10.90
49800-FCC	Fast-cure consumables kit.....	\$179.50
49800-COIN	Universal consumables kit.....	\$85.00
49800-680	Adhesive accelerator kit.....	\$115.00

Opt-X Pro Tool Kit



REUSABLE
CONNECTORS!

Kit Includes:

- Compact lightweight case
- Jacket Stripper
- Buffer Remover (2)
- Scissors
- Marking pen
- Safety glasses
- Threadlock versa cleave tool
- Music wire
- Inspection scope
- Polishing pad & fixture

49800-UTP	Opt-X Pro tool kit.....	\$650.00
49884-MSC	SC threadlock multimode 62.5 or 50µm.....	\$9.75
49882-MST	ST threadlock multimode 62.5 or 50µm.....	\$7.00
49883-MFC	FC threadlock multimode 62.5 or 50µm.....	\$7.75
49884-SSC	SC threadlock singlemode connector.....	\$10.85
49882-SST	ST threadlock singlemode connector.....	\$7.95
49883-SFC	FC threadlock singlemode connector.....	\$12.15
49885-SBS	Fiber optic silicone build-up sleeve kit.....	\$3.55
49884-DPC	Threadlock SC duplex clip (25 bag).....	\$10.15

Fast-Cure Connectors:



ST



SC

Thread-Lock Connectors:



ST



SC

Fiber Termination Kit

Achieve faster fiber terminations and higher performance with Siemon's LightSpeed Termination Kit. This kit contains all the tools required for termination of singlemode or multimode ST or SC connectors - packaged in a rugged canvas case. Use the optional LC upgrade kit for LC connector terminations. All consumables are available in separate consumables kit. Some select tools and other termination products supplied with the kit can be ordered separately.

- The case is constructed using a durable, black canvas material and designed with interior padded pouches and exterior velcro flap pockets providing security plus easy access to all items.
- A universal polishing puck is used for both ST and SC connectors
- All tools, consumables, and accessories are of the highest quality for ease of use.
- A universal jack stripper is used for stripping simplex fiber cable with a diameter range of .75 - 4.0mm
- A non-slip work mat is included. The mat is constructed of a soft material for making fiber terminations.
- New cleave tool features a double-sided sapphire blade to provide twice the usable life.



FTERM-L2 LightSpeed Fiber Termination Kit..... **\$895.00**

Fast Connectors Tool Kit

FAST Connectors are pre-polished, field connectors that eliminate the need for hand polishing in the field. FAST connectors provide an immediate termination to either single-mode or multimode fibers

Kit Includes:

- CT-30A MM/SM Universal Cleaver
- Instruction manual, SC, ST, & LC
- Fiber strip/cleave template
- Marker pen
- Fiber stripper
- Kevlar scissors
- Fiber prep cleaning fluid
- Lint free cloth wipes
- Assembly video
- Carrying case



CS001201 FAST Connector tool kit..... **\$1165.00**

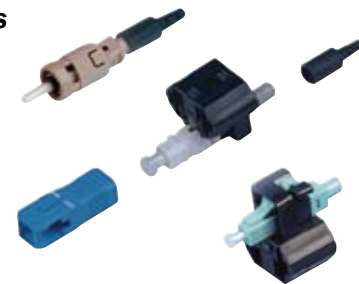
Siemon Upgrade Kit and connectors



The Siemon LC upgrade kit is used on conjunction with the LightSpeed Termination Kit and has all the accessories to terminate LC connectors using Siemon's exclusive LightSpeed adhesive. Includes a LC Microscope head, LC polishing puck, and Micro Torch

FTERM-LC Fiber Termination Upgrade Kit..... **\$165.00**
FC1-LC-MM-B80 LC multimode, buffered fiber, beige foot.... **\$5.08**
FC1-LC-SM-B02 LC singlemode, jacketed fiber, white foot... **\$8.75**
FC1-SC-MM-B80 Multimode buffered fiber, beige foot..... **\$5.10**
FC1-SC-SM-B02 Singlemode buffered fiber..... **\$7.75**
FC1-SA-MM-B80 Multimode, buffered fiber, beige foot..... **\$5.75**
FC1-SA-SM-B02 Simplex, singlemode buffered fiber..... **\$8.75**

FAST Connectors



CS000825-10 SC multimode 50/125 (10)..... **\$99.00**
CS000826-10 SC multimode 62.5/125 (10)..... **\$99.00**
CS000827-10 SC singlemode (10)..... **\$145.00**
CS001267-10 SC multimode 10G laser optimized (10) **\$105.00**
CS000828-10 ST multimode 50/125 (10)..... **\$99.00**
CS000829-10 ST multimode 62.5/125 (10)..... **\$99.00**
CS000830-10 ST singlemode (10)..... **\$145.00**
CS002478-10 ST multimode 10G laser optimized (10). **\$110.00**
CS002438-10 LC multimode 50/125 (10)..... **\$110.00**
CS002439-10 LC multimode 62.5/125 (10)..... **\$110.00**
CS002440-10 LC singlemode (10)..... **\$165.00**
CS002460-10 LC multimode 10G laser optimized (10). **\$115.00**



Ultimate Fiber Tool Kit

Paladin Tools

This Ultimate Fiber Kit contains all the slitters, strippers and Kevlar cutters you will need to start your fiber optic terminations. Also included is the premium 1600 Series crimp tool with 3 interchangeable die sets for STII, SMA, SMB, FC, SC and ST fiber connectors and polishing pucks. The Ultimate Tool Bag has plenty of room for you to add your consumables.

Ultimate Fiber Kit includes:

- | | |
|---|--|
| <ul style="list-style-type: none"> - Kevlar® Cutter - Fiber Optic™ Stripper - Economy Fiber Optic Stripper - Adjustable Jacket Stripper - AM 25 Slitter - AM35 Slitter - LC CST-mini Stripper - 1600 Series Crimp Frame - Fiber Optic Scribe | <ul style="list-style-type: none"> - SC/ST/FC Polishing Puck - 3 Die Sets for FO Connectors: <ul style="list-style-type: none"> - STII Type - SMA/SMB/FC/BICONIC - SC & ST - LC Polishing Puck - Slotted Screwdriver - Plano® Tackle Box - Ultimate Tool Bag |
|---|--|

4924 Ultimate fiber tool kit..... \$365.00

Fiber Optic Termination Kit



45658

45655



Non-Consumables in kits

Consumable items in kit (45658)

- | | |
|--|---|
| <ul style="list-style-type: none"> - Fiber optic kevlar shears - Pro-plus wire stripper, 10-18AWG - Fiber optic buffer stripper - Carbide-tipped scribe - Kwik cycle 8" crimp frame w/ .151, .178, &.213" hex - Fiber optic Inspection microscope - Stainless steel polishing puck - Resilient polishing pad, 3" x 8" - Carrying case | <ul style="list-style-type: none"> - 50 sheets polishing paper, .3 micron - 50 sheets polishing paper, 1 micron - 50 sheets polishing paper, 5 micron - 10ml optiure adhesive - 26ml optiure primer - 1 pair safety glasses - 1 plastic utility box - 1 felt-tipped marker - 100 lint-free wipes - 10 alcohol wipes - 1 water bottle - 1 fiber debris disposal container - 10 syringes - 10 needle tips |
|--|---|

45658 Fiber optic termination kit..... \$1070.00
 45655 Fiber optic hand tool kit..... \$750.00

Fiber Optic Consumables Kit



Kit Includes

- 50 sheets polishing paper, 1 micron
- 10 syringes
- 50 sheets polishing paper, 5 micron
- 10 needle tips
- 10ml optiure adhesive
- 100 lint-free wipes
- 26ml optiure primer
- 10 alcohol wipes



45656 Fiber optic consumables kit..... \$204.95

Fiber Consumables Kit



Kit Includes

- Adhesive syringe
- Alcohol pads
- Finishing file, white
- 1µm air film, purple
- 12µm air film, gray
- 3µm air film, pink
- 6µm recovery film, bronze
- Primer bottle
- Syringe tip needles w/covers
- Dry lint-free wipes



FT-CKIT-L2 Consumables kit for use with FTERM..... \$285.00

Fiber Optic Kit

- Ripley's fiber optic termination kits (FOK) offer a high quality set of tools for the professional installer
- Standard kit items sold with a rugged, positive-closure, hard case.
- Components Available Separately

Standard Kit includes:

- FO 103-S – Fiber Stripper
- Model 100 – Buffer Tube Scoring Tool
- FOKC – Kevlar Cutters
- FOPD-25 – Universal polishing disc for 2.5 mm ST, SC and FC connectors
- CS-30-W with Carbide Tip Fiber Optic Scribe
- CCT-2001 – Fiber Continuity Tool
- FS700 – Fiber Polishing Pad
- FIM 150-200 – 150 to 200x Inspection Scope
- MT-1 – “Magna-Tweez” tweezers
- RMC-6 – 6 inch (152 mm) precision scale
- Fiber Optic Crimp Tool
- Permanent marker pen
- Fiber Waste container

Width: 17 in (432 mm)
Length: 12 in (305 mm)
Weight: 4.5 lb (2 Kg)



Safety Glasses recommended

80691 Fiber Optic Kits..... \$510.00

Consumables Kits

Universal Consumable Kit



Cleans and polishes singlemode and multimode connectors. Includes: polyester wipes, Alcohol Pads, Music Wire, and 12-, 3-, and 0.3 micron lapping film

Fast Cure Consumables Kit



Cleans and polishes singlemode and multimode, and fast cure connectors. Includes: Lint-free dry wipes, music wire, premier, hardener, syringes, and 12-, 3- & 0.3 micron film

49800-CO Universal Consumable Kit..... \$85.00
49800-FFC Fast Cure Consumables Kit..... \$179.50



49800-680 Hardener and Primer Kit..... \$115.00

Polishing Films

- 3 polishing films available
- Lot-to-lot consistency in our films means repeatable connector finishes on ceramic, stainless steel, plastic and composite ferrules
- Single sheet will yield 10 to 20 connectors when using the recommended 3-step procedure



Each Film is 3" x 6"

45-337 Aluminum Oxide 0.50µm, Ivory, 20 Films... \$26.75
45-338 Aluminum Oxide 3.0µm, Yellow, 20 Films.... \$26.75
45-339 Aluminum Oxide 12µm, Lt. Red, 20 Films.... \$26.75

Fiber-Safe Safety Kit

- Fiber-Safe™ safety kit is specifically for working safely with glass fiber.
- Kit includes a Fiber-Safe polishing/work mat, fiber scraps trash can, splinter removal tweezer, ten bifurcated cleaning swipes, each with a self-contained alcohol dispensing tube, and safety glasses.



FS9500 Fiber-Safe Safety Kit..... \$39.99



Major Credit Cards Accepted

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Fiber Optic Polishing Kit



- Complete Kit Includes:**
- Clear Lexan® polishing plate
 - Neoprene polishing pad
 - Universal plastic polishing puck
 - Universal stainless steel polishing puck
 - 12 micron polishing film – 5 included
 - 3 micron polishing film – 5 included
 - .5 micron polishing film – 5 included
 - Lint-free cleaning wipes – 25 included
 - Pre-saturated bifurcated swipes – 10 included

Length: 14-3/8"
 Width: 9-1/2"
 Diameter: 2-3/8" 46277
 365 mm x 241 mm x 60 mm

PK2000 Fiber Optic Polishing Kit..... \$135.00

Polishing Pucks



F/O Polishing Disk



Plastic Polishing Fixture

F/O Polishing Disk Features:

- Precision-machined, stainless steel disk provides accurate polishing angle for desired end face finish.

Plastic Polishing Fixture Features:

- Universal fitting accepts all ST, SC, & FC connectors with 2.5mm ferrules

45-341 F/O polishing puck disk SC/ST..... \$47.00
 45-342 Plastic polishing fixture..... \$12.70

Polishing Pucks



Stainless Steel Polishing Puck



Co-Polymer Polishing Puck

Stainless Steel Polishing Puck Features:

- Used for standard ST, SC, & FC connectors with 2.5mm ferrules
- Precision holes prevents misalignment

Co-Polymer Polishing Puck Features:

- Universal fitting accepts all ST, SC, & FC connectors with 2.5mm ferrules

45599 Stainless steel polishing puck..... \$105.00
 45598 Co-Polymer polishing puck..... \$34.00

Fiber Optic Stripper

- For stripping 250 micron buffer coating to expose 125 micron clad fiber
- 140 µm diameter hole and V opening in blade allows removal of 250 micron buffer coating from 125 micron fiber
- Second hole for stripping 2-3 mm fiber jackets
- Pre-set at the factory—no adjustments needed
- All stripping surfaces are manufactured to precise tolerances to assure clean, smooth strips
- Comfort-grip, ergonomic handles
- Lock to hold tool closed when it is not in use



CFS-2 Fiber optic stripper..... \$19.99

Electronic Kevlar Shears



- 46331 is a high leverage tool for cutting, trimming and slicing through fibers and other tough industrial materials
- Use to cut and trim wire insulation materials, copper leads, filament wire, and nickel-ribbon
- Hot-forged, high carbon steel for long life
- Quick action spring response
- 46331 has one blade serrated and yellow cushioned grips



46331 Electronic Kevlar Shears..... \$21.25

No-Nik Fiber Optic Strippers

- Exclusive centering device positions fiber for precise scoring and removal of buffer coating
- Plastic heads, which make contact only with the buffer, center and support both sides
- Cutting blades made from razor quality steel score the buffer completely
- Back-up blades support the cutting blades, nest positively, and "lock up" when the tool is closed to maintain perfect concentricity
- Buffer being removed acts as guide and protection for the fiber
- Stripping blade diameter clearly marked on plastic handle
- Arrow indicates direction pressure should be applied when stripping on head
- Made in the U.S.A.



NN102	No-Nik Navy Handle .004"min. strip blade dia.....	\$32.00		
NN127	No-Nik Silver Handle .005"min. strip blade dia...	\$32.00		
NN152	No-Nik Gold Handle .006"min. strip blade dia.....	\$32.00		
NN175	No-Nik Mustard Handle .007"min. strip blade dia...	\$32.00	NN254	No-Nik Lt. Blue Handle .010"min. strip blade dia... \$30.00
NN203	No-Nik Red Handle .008"min. strip blade dia.....	\$30.00	NN305	No-Nik White Handle .012"min. strip blade dia..... \$30.00

Made in the U.S.A.

Fiber Optic Stripper

- For stripping 250 micron buffer coating from 125 micron optical fiber
- Precision diameter hole & V-opening in blade allow for accurate buffer coating removal
- Factory set, requires no adjustment
- Prevents scratching or nicking of optical fiber
- All cutting surfaces are precision formed, hardened, tempered and ground assuring precise buffer removal

Fiber Optic Stripper	
FO103S	\$38.95

Made in the U.S.A.

Dual Hole Fiber Optic Strippers

- FO 103-D-J: Second hole for stripping 2-3 mm fiber jackets and standard 125 micron fiber stripping 250 micron removal to 125 micron)
- FO 103-D-250: Second hole for stripping 900 micron tight buffer down to 250 micron buffer coating and standard 125 micron fiber stripping (250 micron removal to 125 micron) - allows longer stripping without damaging the fiber
- Easy-to-read diagrams imprinted on handles

Dual Hole Fiber Optic Strippers	
F0103 D250	\$64.95
F0103 DJ	\$43.25

MILLER®

Tri-Hole Fiber Optic Stripper

- New three-hole model performs all common fiber stripping functions in one compact tool.
- Hole for removal of 2 to 3 mm fiber jackets
- Remove 900 tight buffer to 250µm coating
- Standard 250 to 125 micron stripping
- Same consistent quality and features found in our standard FO 103-S tool
- Also available: FO 103-T-400-250 Fiber Optic Stripper for 400 micron coated PM Fiber

Tri Hole Fiber Optic Strippers	
F0103T 250J	\$68.00

Lite-Strip Fiber Stripper

- V-notch blades strip a wide range of outer cable jacket insulations
- Spring returns handles to original position after every applications.
- One-step, 900 micron stripping hole provides broader stripping range.
- New gauge color makes fiber and hole identification easier.

Lite-Strip Fiber Stripper	
45-350	\$139.35

MiniLite Fiber Stripper

- Small stripping v-notch is designed to remove rubber and coating material from 235u fiber
- Larger round strip notch machined to remove the 3mm outer jacket
- Strip notches pre-set and locket, with no field adjustment.

MiniLite Fiber Stripper	
45-352	\$43.85

IDEAL®

Jacket Stripper

- Designed to remove the jacket from 3mm Simplex or Duplex fiber optic cable
- Form-ground, blades for accurate easy stripping without damaging the fiber.
- Contoured, comfort-grip handles to reduce operator fatigue.

Jacket Stripper	
45-349	\$15.90



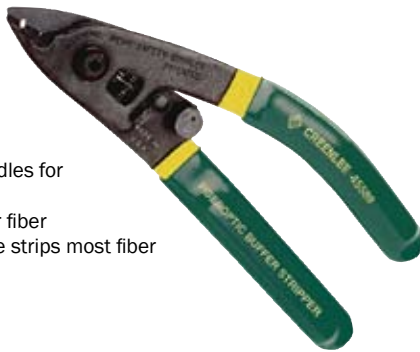
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Fiber Optic Buffer Stripper



- Easily removes the buffer from both 250 and 900 micron cables.
- Preset at the factory - no adjustments required
- Cushioned-grip ergonomic handles for comfortable use.
- Will not scratch or nick glass or fiber
- 1.0 mm diameter stripping hole strips most fiber jackets
- Made in the USA



45589 Fiber optic buffer stripper..... \$61.55

Wire Stripper & Cutter



The latest development in wire stripping & cutting. Simply place the wire in the stripping slot. Squeeze and pull. The wire is stripped and cut to the exact length required. Comes with cushioned ergonomic grips, interchangeable blades 22-24AWG and 24-26AWG. Features include a larger "V" opening on the pliers and no tools required for adjustments.



JIC-4473 Wire stripper & cutter..... \$47.85

Wire Stripper

The JIC-125 stripper can strip 250 micron buffer coating from 125 micron optical fiber. Unique design prevents nicks or scratches on the optical fiber plus blades are ground and hardened for long life. Yellow plastic dipped handles 5 3/16" long.



Wire stripper
JIC-125..... \$18.50

Fiber Stripper Three Hole

This fiber optic stripper strips the 2-3mm fiber jacket down to the 900 micron buffer coating. The second hole strips the 900 micron buffer coating down to the 250 micron coating & the third hole strips the 250 micron cable down to the glass fiber.



Fiber stripper three hole
JIC-375..... \$21.15

Wire Stripper and Cutter

Designed to strip & cut the most commonly used stranded & single wire gauges 10-22AWG and 2-3mm fiber jackets. Features includes a locking mechanism, & cutting surfaces that are hardened, tempered & ground for superior performance

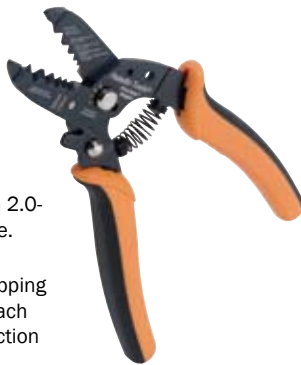


Wire stripper and cutter
JIC-1022..... \$21.50

Fiber Optic Stripper

Fiber optic stripper removes outer jacket, buffer only or buffer and acrylate from 2.0-3.0 mm cable.

- Separate stripping cavities for each separate function



Fiber Optic Stripper
1163..... \$44.95

AM25 / AM35 Slitter

AM25: Slits cable insulation from PVC, Teflon & THHN insulations.

AM35: slits cable insulation. Strips & slits round cable 1-1.4" (25-35 mm) in diameter with PVC, Teflon & THHN insulations types.



1820 AM25 / 1821 AM35 Slitter
1820..... \$46.75
1821..... \$54.25

Universal Slitter *Paladin Tools*

Slit & strip round cables with .18" - 1.4" (4.5-35 mm) diameter.

- Adjustable cutting depth
- Laser-trimmed, stainless steel blades



Universal Slitter
1822..... \$22.65

Fiber Cleaver

The CT-30A Cleaver sets the standard for portable, reliable and ease of use. Available for either single fiber or ribbon splicing (up to 12 fiber ribbons) applications. Designed for excellent portability, the CT-30 is equally at home in a splicing van or in a bucket truck and is ideal for FTTx applications. The 16-position blade yields 48,000 single-fiber cleaves, or 4,000 12-fiber ribbon cleaves before requiring replacement, and the built-in scrap collector conveniently stores fiber shards until they can be discarded.



The CT-30A Cleavers are compatible with all AFL Telecommunications fusion splicers.

See all Fusion Splicers on:



CT-30A Fiber Cleaver..... **\$1250.00**

Thread-Lock Versa-Cleave Tool



Features a diamond blade that cleaves fiber perfectly every time, eliminating the need for a complicated scribe and break procedure. The ergonomic stop-watch design fits comfortable in the hand, works with any style or brand of 2.5 ferrule connector, and cleaves with a simple push of the button.

Thread-Lock Versa Cleave Tool
49886-TVC..... **\$180.00**

Fiber Cleaver



- Produces extremely precise cleave lengths from 6.5 mm to 20 mm
- Ideal for achieving the precise cleaves required by the new generation of "no polish" fiber connectors – in either simplex or duplex cables
- Once the cleave length is set and locked, every cleave will be the same precise length

Fiber cleaver
CC125..... **\$245.00**

1300 Series Crimper



8017: Crimper crimps SMA, SMB, SFR, ST, SC types with 2652 die set.
8039: Crimper crimps FC, SC, ST, LC, SMA, MT-RJ types with 2685 die set

1300 series crimper & die sets
8017..... **\$61.50**
2652..... **\$25.00**
8039..... **\$61.50**
2685..... **\$25.00**

Kevlar Cutter **Paladin Tools**

Great on thin strands! scissors for cutting protective Kevlar strands in fiber optic cable

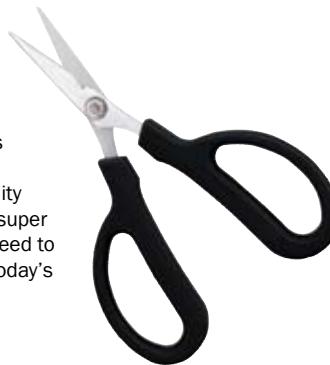
- Hard-chromed serrated edge steel blades for utility applications
- One Year Warranty



Kevlar Cutter
1511..... **\$21.05**

Serrated Cutter

- Two Step process significantly increase the life of this rugged tool
- Superior quality provides the super hard edges need to stand up to today's demands



Serrated Cutter (For Kevlar)
45-344..... **\$20.85**

Serrated Cutter

This high leverage shears is designed to cut through Kevlar® fibers and other tough industrial materials. Strong enough to cut copper wire and thin steel material. Durable and reliable with one serrated & one straight edge. Red plastic dipped handles 6 1/2" long.



Wire stripper and cutter
JIC-186..... **\$11.50**

Fiber Optic Scribes



Paladin Tools



Brand	Tip Material	Blade Angle	SKU	Price
Miller	Diamond	60°	DS-60-C	\$36.00
Miller	Diamond	90°	DS-90-W	\$73.64
Miller	Carbide	30°	CS-30-W	\$34.00
Miller	Carbide	30°	CS-30-DE	\$37.00
Greenlee	Carbide	30°	45593	\$77.55
Ideal	Sapphire	30°	45-358	\$26.40
Ideal	Ruby	30°	45-357	\$26.40
Ideal	Carbide	30°	45-359	\$40.50
Paladin Tools	Carbide	30°	1922.1	\$23.45

Breakout Kits

MOHAWK



This Field Breakout Kit is designed to attach to one tube of a loose tube cable. They have either six or twelve 900 μm tubes that hold each of the coated fibers. For each end of the cable, one kit is needed for every tube. For example, part number M9B511 has two tubes with six 62.5/125 fibers each. This cable requires four field breakout kits; two for each end of the cable.

The kit is available in two sizes to accommodate the two different tube sizes which are manufactured by Mohawk. For tubes containing one to six fibers, the diameter is 0.075" (1.9 mm) and for tubes containing seven to twelve fibers, the diameter is 0.110" (2.8 mm).

M90272	Breakout kit tube diameter .075" ≤ 6 fiber tube.....	\$30.00
M90273	Breakout kit tube diameter .110" ≤ 12 fiber/tube.....	\$35.00

Fast Ethernet Fiber Media Converter

UNICOM



Unicom's VELOCITY Series represents the newest, most advanced generation of signal conversion technology. All converters include external power supplies.

Fast Ethernet Media Converter includes:

(1) RJ45, 10/100Base-TX, (1) Dual ST or (1) Dual SC, 100/ Base-FX (MM/2km)

Gigabit Media Converter - 100Base-T to 1000Base-SX/LX:

(1) RJ45, 1000Base-T, (1) Dual SC, 1000Base-SX (MM/220/ 500m)

Gigabit ethernet Media Converter:

(1) RJ45, 10/100/1000Base-T, Dual SC, 1000Base-SX (MM/ 220/500m) or 1000Base-LX (SM/10Km)

FEP-5300TF-C	Fast ethernet media converter (Dual SC).....	\$92.00
FEP-5300TF-T	Fast ethernet media converter (Dual ST).....	\$92.00
GEP-5001TF-C	Gigabit media converter, 1000Base-T - 1000Base.....	\$210.00
GEP-5300TF-C	Gigabit ethernet media converter (1000Base-SX).....	\$205.00
GEP-5400TF-C	Gigabit ethernet media converter (1000Base-LX).....	\$410.00

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Fiber Optic Patch Cords



- 10GB Fiber Optic Patch Cords
- 62.5/125µm Fiber Optic Patch Cords
- 50/125µm Fiber Optic Patch Cords

10G	SC-SC Connectors	SC-LC Connectors	LC-LC Connectors
1 Meter	SCSC10G-1M..... \$22.40	SCLC10G-1M..... \$25.25	LCLC10G-1M..... \$25.45
3 Meters	SCSC10G-3M..... \$26.25	SCLC10G-3M..... \$29.88	LCLC10G-3M..... \$30.00
5 Meters	SCSC10G-5M..... \$30.35	SCLC10G-5M..... \$34.35	LCLC10G-5M..... \$34.55
10 Meters	SCSC10G-10M..... \$40.30	SCLC10G-10M..... \$45.75	LCLC10G-10M..... \$45.95

62.5/125µm	ST-ST Connectors	ST-SC Connectors	SC-SC Connectors
1 Meter	STST6-1M..... \$17.95	STSC6-1M..... \$19.25	SCSC6-1M..... \$20.25
3 Meters	STST6-3M..... \$20.00	STSC6-3M..... \$21.25	SCSC6-3M..... \$22.40
5 Meters	STST6-5M..... \$22.25	STSC6-5M..... \$23.50	SCSC6-5M..... \$24.50
10 Meters	STST6-10M..... \$27.75	STSC6-10M..... \$28.75	SCSC6-10M..... \$29.90

62.5/125µm	SC-LC Connectors	LC-LC Connectors	ST-LC Connectors
1 Meter	SCLC6-1M..... \$21.25	LCLC6-1M..... \$22.55	STLC6-1M..... \$20.25
3 Meters	SCLC6-3M..... \$23.55	LCLC6-3M..... \$25.15	STLC6-3M..... \$22.55
5 Meters	SCLC6-5M..... \$25.80	LCLC6-5M..... \$27.75	STLC6-5M..... \$24.85
10 Meters	SCLC6-10M..... \$31.50	LCLC6-10M..... \$33.75	STLC6-10M..... \$30.45

50/125µm	ST-ST Connectors	SC-SC Connectors	LC-LC Connectors
1 Meter	STST5-1M..... \$17.95	SCSC5-1M..... \$20.25	LCLC5-1M..... \$22.85
3 Meters	STST5-3M..... \$20.00	SCSC5-3M..... \$22.40	LCLC5-3M..... \$25.25
5 Meters	STST5-5M..... \$22.25	SCSC5-5M..... \$24.55	LCLC5-5M..... \$27.69
10 Meters	STST5-10M..... \$27.55	SCSC5-10M..... \$29.90	LCLC5-10M..... \$33.75

Patch Cord Connector Ends



LC Fiber End



ST Fiber End



SC Fiber End



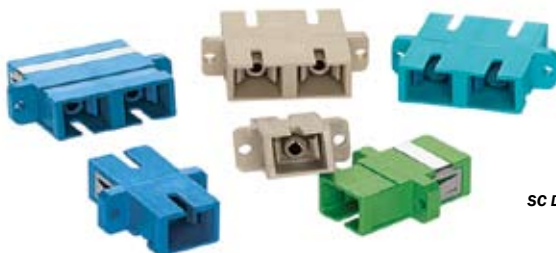
Fiber Optic Adapters

Adapters for voice/data/image fiber optic connectivity are designed for LAN, WAN, and MAN applications. Compatible with field or factory terminated connectors, on singlemode or multimode fiber cable. Fiber adapters are compatible with unloading mounting plates for installation into fiber optic patch panels.

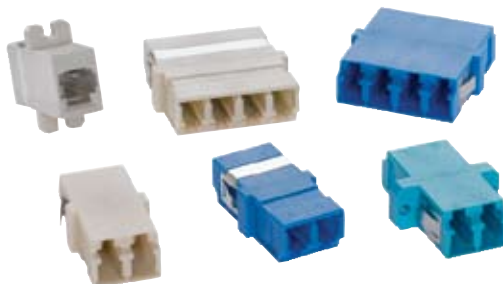


ST Adapters

FC Adapters



SC Duplex Adapters



Quad LC Adapters

ST Adapters

49882-SAD	MM w/phosphor bronze sleeves.....	\$2.45
49882-ZAD	SM w/zirconia ceramic sleeves.....	\$8.55

FC Adapters

49883-SAD	SM w/phosphor bronze sleeve.....	\$18.45
49883-MAD	MM w/zirconia ceramic sleeves.....	\$11.60

SC Duplex Adapters

49884-SAD	SM blue, w/zirconia ceramic sleeves.....	\$9.00
49884-MAD	SM blue, w/phosphor bronze sleeves.....	\$4.95
49884-BAD	MM beige, w/phosphor bronze sleeves..	\$4.95
49884-AAD	MM aqua, w/zirconia ceramic sleeves....	\$9.00

LC Adapters

5F100-DLC	MM beige, w/phosphor bronze sleeves...	\$8.25
5F100-DLZ	SM blue, w/zirconia ceramic sleeves.....	\$13.60
5F100-DLA	MM aqua, w/zirconia ceramic sleeves....	\$13.60

Quad LC Adapters

5F100-QLC	MM w/phosphor bronze sleeves.....	\$
5F100-QLZ	SM w/zirconia ceramic sleeves.....	\$



Major Credit Cards Accepted

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FSM-11S Fusion Splicer Kit



Fusion Splicer on Portable Workstation



Fusion Splicer FSM-11S

Features

- Highly portable
- Dual camera inspection
- 3.5" dual direction monitor
- 40 seconds tube heater
- Single or 4-fiber version available
- Auto arc calibration
- 30 mph wind protector

The SpliceMate (FSM-11) is the world's smallest and most portable fusion splicer, designed to meet the challenges posed by today's fiber networks. Fitting in the palm of your hand, the SpliceMate is smart and reliable enough to be used with confidence by inexperienced operators.

Splicemate's Advanced intelligence features include dual-camera fiber inspection to insure the splice is right, and auto arc calibration.. an industry first. It's easy to operate and quickly makes low loss splices with all common types of optical fibers up to 4-fiber ribbons. The SpliceMate is available with a variety of powering options including a battery pack and adapters to work with AC or DC power sources.

A workstation, specifically designed for the SpliceMate, is Available for simplified splicing in the field. Whether splicing on a pole, in a bucket, or in a neighborhood.

Parameter	Value
Applicable Fibers	SMF, MMF, NZ-DSF, DSF
Number of Fibers	Single fiber (FSM-11S)
Cladding Diameter	125µm
Coating Diameter	250µm and 900µm
Typical Average splice loss	SMF = 0.05dB / MMF = 0.02dB
Splicing Time	FSM-11S (11 seconds)
Arc Calibration Method	Automatic and manual methods
Splicing Modes (40)	Auto SM / NZ / DS Auto MM SM, MM, NZ-DSF, DSF
Splice Loss	Estimate based on dual camera inspection
Monitor	3.5" adjustable monitor angle (front or top selectable)
Tube Heating Time	40 seconds
Number of Splice / Heat with Battery	30
Power Supply	AC, DC, Battery
Terminals	USB
Wind Protection	30 mph
Dimensions	110w x 80d x 100h (mm) / 4.33w x 3.14d x 3.94h (Inches)
Weight with battery	0.80kg / 1.76 lbs

Splicer Includes:

- FSM-11S Fusion Splicer
- FH-50-250 Fiber Holders
- BTC-04 Battery Charger
- BTR-07 Battery
- Space Electrodes (Pair)
- Operation Manual
- Transit Case
- CT-30 Cleaver (kit only)

Recommended Accessories



BTR-07 \$398.00
Battery for FSM-11S



S000065 \$155.00
Fiber Sleeves up to 900µ (250 Pack)

- S013956** FSM-11S Splicer (Single Fiber Ribbon Version - Splicer Only)..... **\$8380.00**
- S013988** FSM-11S Splicer Kit (Single Fiber Ribbon Version - Kit)..... **\$9385.00**

Fusion Splicer

FSM-18R

AFL Telecommunications
A Fujikura Business



- Rugged construction
- Automatic arc calibration
- Auto-start tube heater
- Color LCD display
- Simultaneous battery charge and splicer operation
- Long life battery
- Detachable work table incorporated
- Data/video download software and upgrade software included
- Green Friendly - RoHS & WEEE compliant

The FSM-18R Fusion splicer is a 4-fiber ribbon splicer with similar versatility and robust nature of the Fujikura 12-fiber ribbon splicer. Well-suited for FTtx or LAN applications, the FSM-18R fusion splicer can splice up to 4 fibers, as well as, single fibers. The enhanced robust features provide resistance to chock dust, and rain to minimize downtime and improve operation performance and withstand a 30" drop test

Automated features such as auto-start splicing auto-start tube heater operation, automatic ribbon fiber identification, and auto-arc calibration reduce operational steps and improve slicing performance. Additional improvements include automatic image orientation when switching the dual position monitor, a large capacity battery option and the ability to charge the battery during splicer operation.

New software included with each splicer provides the ability to download splice data to a PC for splice data reporting, download splicer operating software via the internet to maintain peak performance and download video images from the splicer to enhance technical support

Splicer Includes:

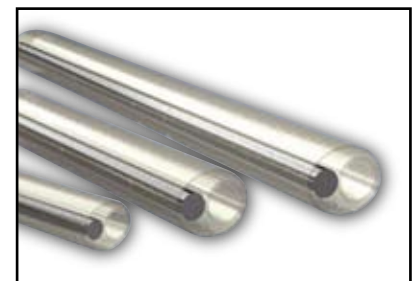
- FSM-18R Fusion Splicer
- FH-50-4 Fiber Holders (pair)
- ADC-13 AC Adapter
- ACC-14 AC Cord
- JP-05 Splice Sleeve Cooling Tray
- USB Cable
- Splicer Carrying Strap
- Spare Electrodes (pair)
- Quick Reference Guide
- Video Instruction Manual
- CT-30 Cleaver (S014530 & S014561)
- Stripper (S014530 & S014561)
- BTR-08 Battery (S014561)
- DCC-14 Battery Cord (S014561)

Parameter	Value
Applicable Fibers	Single-mode, Multimode, DS, NZDS
Fiber Count	Single 2, 4
Cladding Diameter	125µm
Coating Diameter	Ribbon: 0.25mm to 0.4mm; Single 250µm and 900µm
Fiber Cleave Length	10mm
Average Splice Loss	0.05dB with SM, 0.02dB with MM, 0.08dB with DS, 0.08dB with NZDS
Splicing Time	Typical 20 seconds with standard single-mode fiber
Arc Calibration Method	Automatic, real-time by using results of previous splice when in auto mode
Splicing Modes	100 preset and user programmable modes
Splice Loss Estimate	Based upon dual camera cladding alignment data
Storage of Splice Result	Last 2000 source results stored in the internal memory
Fiber Display	X or Y, or both X and Y simultaneously; front or rear monitor display option
Magnification	90X
View Method	Dual camera with 4.1" TFT color LCD monitor with anti-reflective coating
Operation Condition	0 to 5000m above sea level, 0 to 95% RH, -10 to 50°C
Mechanical Proof Test	1.96 to 2.25N
Tube Heater	Built-in tube heater with 30 heating modes; auto-start function
Tube Heating Time	Typical 50 seconds with FP-5 sleeve, 40 seconds with FP3(40), 35-55 seconds with Micro sleeves
Protection Sleeve Length	60mm, 40mm, micro
Splice/Heat with Battery	Typical 90 cycles with power dave function active
Power Supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with ADC-13 13.2V DC with BTR-08 Battery
Terminals	USB 1.1 (USB-B type) for PC communication, Mini-DIN (6-pin) for HJS-02.03 and SH-8 tube heater
Wind Protection	Maximum wind velocity of 15m/s (34mph)
Dimensions	5.3" w x 6.3" d x 5.6" h
Weight	4.6 with AC Adapter ADC-13; 5.5lbs with BTR-08 battery

Recommended Accessories



S013812 **\$260.00**
Holds 4 fibers in a ribbon fiber arrangement



S012668 **\$212.50**
Fiber Sleeves for Ribbon Fiber

- S014529** FSM-18R Fusion Splicer (Machine Only)..... **\$8150.00**
- S014530** FSM-18R Fusion Splicer Kit (with Cleaver and Stripper)..... **\$9825.00**
- S014561** FSM-18R Fusion Splicer Kit (with Cleaver, stripper, battery, and Cord)..... **\$10150.00**



Major Credit Cards Accepted

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Splicer Includes:

- FSM-18S Fusion Splicer
- ADC-13 AC Adapter
- ACC-14 AC Cord
- Spare Electrodes
- Sheath Clamp
- USB Cable
- Splicer Carrying Strap
- Quick Reference Guide
- Video Instruction Manual
- JP-05 Splice Sleeve Cooling Tray
- Transit Case
- CT-30 Cleaver (S014528 & S014560)
- Stripper (S014528 & S014560)
- BTR-08 Battery (S014560)
- DCC-14 Battery Cord



Fusion Splicer

FSM-18S

- Rugged Construction
- Automatic Arc Calibration
- Auto-start tube heater
- Color LCD display
- Simultaneous battery charge and splicer operation
- Long life battery
- Detachable work table incorporated
- Data/video download and splicer upgrade software included
- Green Friendly - RoHS & WEEE compliant

The FSM-18S Fusion Splicer is a low cost, fixed V-Groove, single fiber fusion splice with the same robust features offered in other high end models. The new rugged construction added improved reliability by resisting shock, dust, and rain, and withstand a 30" drop test.

New features such as automatic tube heater operation, user-selectable clamping method (sheath clamp or fiber holder system), automated monitor image orientation, and battery charge capability during splicer operation provide the user with the ability to download splice data to a PC for splice data reporting, download video images from the splicer to enhance technical support.

Parameter	Value
Applicable Fibers	Single-mode, Multimode, DS, NZDS
Cladding Diameter	125µm
Coating Diameter	100µm to 1000µ
Fiber Cleave Length	8 to 16mm with 250µm coating dia., 16mm with 900µm coating dia.
Average Splice Loss	0.05dB with SM, 0.02dB with MM, 0.08dB with DS, 0.08dB with NZDS
Splicing Time	Typical 11 seconds with standard single-mode fiber
Arc Calibration Method	Automatic, by using results of previous splice when in Auto mode, Manual
Splicing Modes	100 preset and user programmable modes
Splice Loss Estimate	Based upon dual camera cladding axis alignment data
Storage of Splice Result	Last 2000 results to be stored in the internal memory
Fiber Display	X or Y, or both X and Y simultaneously; front or rear monitor display options
Magnification	300X for single X or Y simultaneously; front or rear monitor display options
View Method	Dual cameras with 4.1" TFT color LCD monitor with anti-reflective coating
Operation Condition	0 to 3.660m above sea level, 0 to 95%RH -10 to 50°C
Mechanical Proof Test	1.96 to 2.25N
Tube Heater	Built-in tube heater with 30 heating modes; auto-start function
Tube Heating Time	Typical 30 seconds with FP-03 sleeve, 35 seconds with FP3(40) 33-55 seconds with micro sleeves
Protection Sleeve Length	60mm, 40mm, micro
Splice/Heat with Battery	Typical 150 cycles with power save functions activated
Power Supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with ADC-1, 13.2V DC with BTR-08 battery
Terminals	USB 1.1 (USB-B type) for PC communication, Mini-DIN (6-pin for HJS-02/03 and SH-8 tube heater
Wind Protection	Maximum wind velocity of 15m/s (34mph)
Dimensions	5.3" w x 6.3" d x 5.6" h
Weight	4.6lbs with AC adapter ADC-11; 5.5lbs with BTR-08 battery

- S014527** FSM-18S Fusion Splicer (Machine Only)..... **\$6250.00**
- S014528** FSM-18S Fusion Splicer Kit (with Cleaver and Stripper)..... **\$7150.00**
- S014560** FSM-18S Fusion Splicer Kit (with Cleaver, stripper, battery, and Cord)..... **\$7475.00**

Recommended Accessories



S014540 **\$320.00**
Battery for FSM-18S



S013532 **\$79.99**
Replacement Electrodes



S000065 **\$155.00**
Fiber Sleeves up to 900µ (250 Pack)

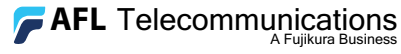


Splicer Includes:

- FSM-60R12 Fusion Splicer
- FH-50-12 Fiber Holders
- ADC-13 AC Adapter
- ACC-14 AC Cord
- Magnifier
- JP-05 Splicer Sleeve Cooling Tray
- USB Cable
- Spare Electrodes
- Quick Reference Guide
- Video Instruction Manual
- Transit Case
- CT30 Cleaver (S014534 & S014563)
- Stripper (S014534 & S014563)
- BTR-08 Battery (S014563)
- DCC-14 Battery Cord (S014563)

Fusion Splicer

FSM-60R12



- Rugged Construction
- Automatic Arc Calibration
- Auto-start tube heater
- Color LCD display
- Simultaneous battery charge and splicer operation
- Long life battery
- Detachable work table incorporated
- Data/video download and splicer upgrade software included
- Green Friendly - RoHS & WEEE compliant

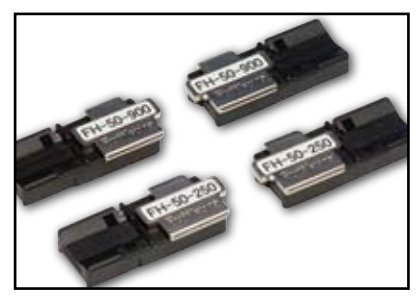
The FSM-60R12 Fusion Splicer offers unmatched versatility and reliability. The new ribbon splicer withstands a drop test of up to 30" and continues to splice. And robust features enable the FSM-60R12 to resist shock, dust, and rain so that unfortunate environmental conditions do not negatively impact productivity.

Equipped with a user friendly interface and precision fixed V-groove, the FSM-60R12 offers 2 to 12 fiber ribbon splicing, as well as, single fiber splicing capability. Automated features such as auto-start splicing, auto-start tube heater operation, automatic ribbon fiber identification, and auto-arc calibration reduce operational steps and improve splicing performance. Additional improvements include automatic image orientation when switching the dual position monitor, a large capacity battery option and the ability to charge the battery during splice operation.

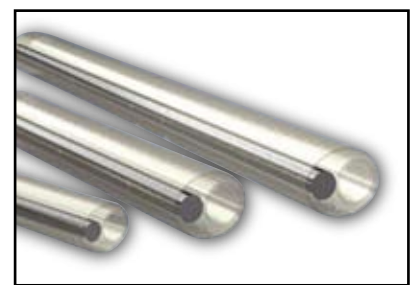
New software included provides the ability to download splice data to a PC for splice data reporting. Download splicer operation software via the internet to maintain peak performance, and download video images from the splicer to enhance technical support.

Parameter	Value
Applicable Fibers	Single-mode, Multimode, DS, NZDS
Fiber Count	Single, 2, 3, 5, 6, 8, 10, 12
Cladding Diameter	125µm
Coating Diameter	Ribbon: 0.25mm to 0.4mm, Single: 250µm and 900µm
Fiber Cleave Length	10mm
Average Splice Loss	0.05db with SM, 0.02dB with MM, 0.08dB with DS, 0.08dB with NZDS
Splicing Time	Typical 20 seconds with standard single-mode fiber
Arc Calibration Method	Automatic, real-time by results of previous splice when in Auto mode, manual
Splicing Modes	100 preset and user programmable modes
Splice Loss Estimate	Based upon dual camera cladding alignment data
Storage of Splice Result	Last 2000 splice results stored in the internal memory
Fiber Display	X, or Y, or both X and Y simultaneously; front or rear monitor display options
Magnification	35X to 90X
View Method	Dual camera with 4.1" TFT color LCD monitor with anti-reflective coating
Operation Condition	0 to 3.660m above sea level, 0 to 95% RH, and -10 to 50°C
Mechanical Proof Test	1.96 to 2.25N
Tube Heater	Built-in tube heater with 30 heating modes; auto-start function
Tube Heating Time	Typical 50 seconds with FP-5 sleeve, 40 seconds with FP3 (40), 35-55 seconds with micro sleeves
Protection Sleeve Length	60mm, 40mm, Micro
Splice/Heat with Battery	Typical 90 cycles with power save functions activated
Power Supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with ADC-13, 13.2V DC with BTR-08 battery
Terminals	USB 1.1 (USB-B type) for PC communication, Mini-DIN (6-pin) for HJS-02/03 and SH-8 tube heater
Wind Protection	Maximum wind velocity of 15m/s (34mph)
Dimensions	5.3" w X 6.3" d X 5.6" h
Weight	4.6lbs with AC adapter ADC-13; 5.5lbs with BTR-08 battery

Recommended Accessories



S013812 **\$260.00**
Holds 4 fibers in a ribbon fiber arrangement



S012668 **\$212.50**
Fiber Sleeves for Ribbon Fiber

- S014533** FSM-60R12 Fusion Splicer (Machine Only)..... **\$17500.00**
- S014534** FSM-60R12 Fusion Splicer Kit (with Cleaver and Stripper)..... **\$18900.00**
- S014563** FSM-60R12 Fusion Splicer Kit (with Cleaver, stripper, battery, and Cord).. **\$19225.00**



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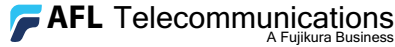
Splicer Includes:

- FSM-18S Fusion Splicer
- ADC-13 AC Adapter
- ACC-14 AC Cord
- Spare Electrodes (pair)
- Sheath Clamp
- USB Clamp
- Splicer
- Carrying Strap
- Quick Reference Guide
- Video Instruction Manual
- JP-05 Splice Sleeve Cooling Tray
- Transit Case with Carrying Strap
- CT30A Cleaver (S014532& S014562)
- BTR-08 Battery (S014562)
- DCC-14 Battery Cord (S014562)



Fusion Splicer

FSM-60S



- Rugged construction
- Automatic arc calibration
- Auto-start tube heater
- Color LCD display
- Simultaneous battery charge and splicer operation
- Long life battery
- Detachable work table incorporated
- Data/video download software and upgrade software included
- Green Friendly - RoHS & WEEE compliant

The FSM-60S Fusion Splicer sets the standard for core alignment fusion splicing by incorporating a user friendly interface with enhanced features to provide the most rugged and reliable fusion splice in the market today. The new rugged construction adds improved reliability by resisting shock, dust, and rain, and can withstand a 30" drop test.

The FSM-60S splices a fiber in 9 seconds and heats a 60mm splice sleeve in 30 seconds, for a total time of only 39 seconds. New features such as automatic tube heater operation, user-selectable clamping method (sheath clamp or fiber holder system), automated monitor image orientation, and a battery charge capability during splicer operation provide the end user a productivity tool they can count on.

New software included provides the ability to download splice data to a PC for splice data reporting, download splicer operating software via the internet to maintain peak performance, and download video images from the splicer to enhance technical support.

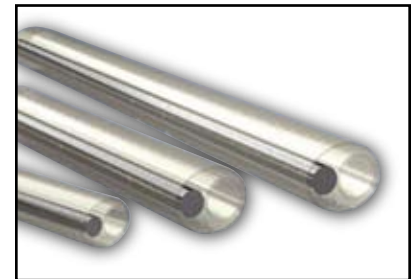
Parameter	Value
Applicable Fibers	Single-mode, Multimode, DS, NZDS
Cladding Diameter	80µm to 150µm
Coating Diameter	100µm to 1000µm
Fiber Cleave Length	8 to 16mm with 250µm coating dia, 16mm with 900µm coating dia
Average Splice Loss	0.02dB with SM, 0.01dB with MM, 0.04dB with DS, 0.04dB with NZDS
Splicing Time	Typical 9 seconds with standard single-mode fiber
Arc Calibration Method	Automatic, real-time by results of splice when in AUTO mode, Manual
Splicing Modes	100 preset and user programmable modes
Splice Loss Estimate	Based upon dual camera core alignment data
Storage of Splice Result	Last 2000 results to be stored in the internal memory
Fiber Display	X or Y, or both X and Y simultaneously, Front or rear monitor display options
Magnification	300X for single X or Y view, or 187X for X and Y view
View Method	Dual camera with 4.1" TFT color LCD monitor
Operation Condition	0 to 5000m above sea level, 0 to 95%RH and -10 to 50°C
Mechanical Proof Test	1.96 to 2.25N
Tube Heater	Built-in tube heater with 30 heating modes; auto-start function
Tube Heating Time	Typical 30 seconds with FP-03 sleeve, 35 seconds with FP3(40), 35-55 seconds with micro sleeves
Protection Sleeve Length	60mm, 40mm, micro
Splice/Heat with Battery	Typical 160 cycles with power save function activated
Power Supply	Auto voltage selection from 100 to 240V AC or 10 to 15V DC with ADC-11, 13.2V DC with BTR-08 battery
Terminals	USB 1.1 (USB-B type) for PC communication. Mini-DIN (6-pin) for HJS-02/03 and SH-8 tube heater
Wind Protection	Maximum wind velocity for 15m/s (34mph)
Dimensions	5.3" w x 6.3" d x 5.6"
Weight	5.1lbs with AC adapter ADC-11; 5.9lbs with BTR-08 battery

- S014531** FSM-60S Fusion Splicer (Machine Only)..... **\$17000.00**
- S014532** FSM-60S Fusion Splicer Kit (with Cleaver)..... **\$17900.00**
- S014562** FSM-60S Fusion Splicer Kit (with Cleaver, battery, and Cord)..... **\$18225.00**

Recommended Accessories



S013532 **\$79.99**
Replacement Electrodes



S000065 **\$155.00**
Fiber Sleeves up to 900µ (250 Pack)

Standard Sleeves: Dimensions & Applicable Fiber (Sold in packs of 250)

Part #	Model	Fiber Count	Length	Cleave Length	Dia after shrink	Price
FP-03 for single fibers up to 900 microns						
S000065	FP-03	-	60mm	16mm	3.1mm (max)	\$155.00 (0.62/ea)
S000206	FP-03(40)	-	40mm	10mm	3.1mm (max)	\$170.00 (0.68/ea)
FP-04(T) and FP-05 for ribbon fiber (coating thickness of 0.44mm or less)						
S002105	FP04(T)	8 Fibers	40mm	10mm	4.1mm (max)	\$1050.00
S003027	FP-05	12 Fibers	40mm	10mm	4.5mm (max)	\$475.00

MicroSleeves: Dimensions & Applicable Fiber (Sold in packs of 250)

Part #	Model	Length	Cleave Length	Dia after shrink	Price
FPS01-900 Series for single fibers up to 900 Micron Fiber					
S012684	FPS01-900-15	15mm	4mm	2.3mm	\$175.00 (0.70/ea)
S012688	FPS01-900-20	20mm	6mm	2.3mm	\$212.50 (0.85/ea)
S011954	FPS01-900-25	25mm	6mm	2.3mm	\$170.00 (0.68/ea)
S012692	FPS01-900-34	34mm	13mm	2.3mm	\$225.00 (0.90/ea)
S012696	FPS01-900-45	45mm	16mm	2.3mm	\$375.00 (1.50/ea)
FPS01-400 Series for single fibers up to 400 Micron Fiber					
S014088	FPS01-400-12	12mm	4mm	1.5mm	\$212.50 (0.85/ea)
S012668	FPS01-400-15	15mm	4mm	1.5mm	\$212.50 (0.85/ea)
S012672	FPS01-400-20	20mm	8mm	1.5mm	\$212.50 (0.85/ea)
S012676	FPS01-400-25	25mm	10mm	1.5mm	\$162.50 (0.65/ea)
S012680	FPS01-400-34	34mm	15mm	1.5mm	\$175.00 (0.75/ea)
S011914	FPS01-400-40	40mm	16mm	1.5mm	\$170.00 (0.68/ea)

Part #	Model	Description	Price
Fiber Holders for FSM-18S			
S014548	FH-60-250	Designed to hold fiber with a coating diameter of 250µm	\$260.00
S014549	FH-60-900	Designed to hold fiber with a coating diameter of 900µm	\$260.00
Fiber Holders for FSM-18R			
S013812	FH-50-4	Designed to hold 4 fibers in a ribbon fiber arrangement	\$260.00
S013808	FH-50-2	Designed to hold 2 fibers in a ribbon fiber arrangement	\$260.00
Fiber Holders for FSM-60R12			
S013828	FH50-12	Designed to hold 12 fibers in a ribbon fiber arrangement	\$260.00
S013824	FH-50-10	Designed to hold 10 fibers in a ribbon fiber arrangement	\$260.00
S013820	FH50-8	Designed to hold 8 fibers in a ribbon fiber arrangement	\$260.00
S013816	FH50-6	Designed to hold 6 fibers in a ribbon fiber arrangement	\$260.00
S013812	FH50-4	Designed to hold 4 fibers in a ribbon fiber arrangement	\$260.00
Fiber Holders for FSM-60S			
S014548	FH-60-250	Designed to hold fiber with a coating diameter of 250µm	\$260.00
S014549	FH-60-900	Designed to hold fiber with a coating diameter of 900µm	\$260.00



Splice Protection Sleeves

The FPS01 and FPS04 series are specially designed for optical components, where small packaging is a priority. These micro sleeves provide the known reliability of Fujikura sleeves in the smallest possible lengths. This easy and cost effective method is a great alternative to recoating. The FPS01 and FPS04 series offer a wide range of option to accommodate various coating sizes, and are manufactured in a variety of lengths. This gives great flexibility in designing optical modules.



Fusion Splicer Fiber Holders

Fiber holder are available in 2, 4, 5, 8, 10, and 12 fibers capacities for ribbon-fiber arrangements. Single-fiber holders are available for both 250µm coated fiber and 900µm jacketed pigtails.

Replacement Electrodes

AFL Telecommunications electrodes that are compatible with all AFL fusion splicers.

Electrodes are sold in pairs.



Replacement batteries and power cords for AFL Telecommunication's fusion splicers.

See individual fusion splicer for battery compatibility.

Batteries and Power Cords for Fusion Splicers



S013532 Replacement electrodes..... **\$79.99**

ADC-13 AC adapter..... **\$398.00**
BTR-08 Battery..... **\$320.00**
DCC-14 Power cord (ADC-13 to BTR-08)..... **\$39.99**
DCC-12 Power cord (ADC-13 to cigarette lighter).... **\$99.00**



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Connector Cleaning Sticks



Variety Pack of Cleaning Sticks Available - 10 sticks of each of the S25, S16, S12, XMT, P25 sizes, packed in Clamshell tool kit

XMT	Cleaning Sticks Biconic/MPO.....	\$24.50
S16	Cleaning Stick 1.6 & 2.0mm connectors...	\$24.50

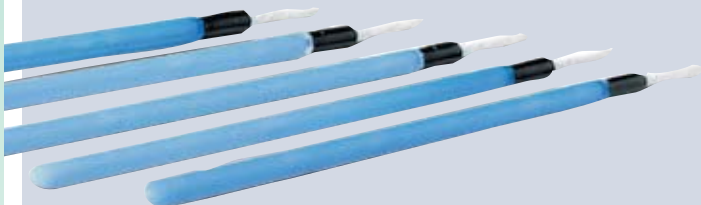
S16	<ul style="list-style-type: none"> - Clamshell Containing 50 Sticks - High-Purity Fibrous Cleaning Sticks - Configured for MTRJ, D4 and all other 1.6 & 2.0mm Termini - Fits Military Style Connectors MIL C 28876 and MIL C 38999 - National Stock Number 6070-01-553-2262 	S25	<ul style="list-style-type: none"> - Super-Pure Fiber Cleaning Stick - Cleans Fiber Optic Connectors Inside the Alignment Sleeve - Fits All 2.5mm Connectors: SC, ST, FC, ASC, AFC, etc. - National Stock Number 6070-01-553-2263
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S12	<ul style="list-style-type: none"> - Clamshell Containing 50 Sticks - High-Purity Fibrous Cleaning Sticks - Engineered to Clean Any 1.25mm connector (LC, MU) - National Stock Number 6070-01-553-2267 	P25	<ul style="list-style-type: none"> - Clamshell Containing 50 Sticks - High-Purity Fibrous Clean Sticks - Out-Perform Foam and/or Cloth Swabs - Engineered for all Exposed Cylindrical Ferrules and Termini - National Stock Number 6070-01-553-2258
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S12	Cleaning Stick - LC/MU.....	\$24.50
S25	Cleaning Stick - SC/ST/FC.....	\$24.50
P25	Cleaning Sticks - Exposed Cylindrical.....	\$24.50

Adapter Cleaning Wands

- Specially-created, lint-free materials clean fiber optic interfaces, bulkhead adapters and ferrule alignment sleeves.



947K	2.5mm cleaning wands (200).....	\$325.00
947	2.5mm cleaning wands (10).....	\$22.75
946K	1.25mm cleaning wands (200).....	\$255.00
946	1.25mm cleaning wands (10).....	\$24.85

Connector Cleaning System



- Special lint-free fabric-on-a-reel quickly cleans ferrule endfaces of dust, oil, and other contaminants.
- Cleaning system is self-contained.
- No need for alcohol.
- A single cleaning reel can be used for over 400 ferrule.

948	Connector cleaning system.....	\$109.95
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Split-Tip Fiber Swabs



- Split-tip design cleans fiber easier and more efficiently than other methods.
- Tube/handle is preloaded with 99% isopropyl alcohol.
- A single swab can be used for many cleanings or until the alcohol is gone.

49886-TVC	Thread-lock versa-cleave tool.....	\$180.00
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NFC Swabs



1.25mm Swabs

- Contents: 25 swabs
- Dimensions: 6.5" x 1.0" dia
- Material: Proprietary compressed polyester fiber

2.5mm Swabs

- Contents: 50 swabs
- Dimensions: 4.0" x 1.0" dia
- Material: 100ppi medical grade polyurethane sealed foam

NFC SWABS-1.25	LC and MU port cleaning swabs.....	\$23.50
NFC SWABS-2.5	SC, ST, 2.5mm port cleaning swabs....	\$18.75

Fiber Optic TravelSAFE Cleaning Solvents

Fiber Preparation Fluid - The fiber prep fluid from MicroCare leads the industry for cleaning fiber before splicing. Unlike competitive solvents, this optical-grade fluid has been engineered specifically for cleaning glass fiber prior to fusion splicing or termination. Nonflammable and plastic-safe, it also ideal for cleaning residues from conductor end

Precision Optical Cleaner - This unique product contains a high-purity solvent engineered for cleaning precision optical components made of glass, metal, or soft plastics. This formula neutralizes static electricity to dissipate bonds that attract and hold particles to surfaces. It also dissolves fingerprints, light oils and surface films.

Fiber Connector Cleaner - This unique mini-pump spray dispenser contains 400 squirts of a non-flammable, plastic safe, optical-grade cleaning fluid formulated for cleaning fiber optic ferrules installed in connector bulkheads. Fast-drying and ozone-safe, this non-hazardous cleaner is ideal for cleaning dust, oil, grime, and moisture from fiber optic ferrule ends and connector bulkheads. Safe to use on most materials including glass, ceramic, metal, plastic and cured epoxy surfaces. Ultra pure, this cleaner dries quickly without leaving a residue.



MCC-FPF03M	Fiber preparation fluid.....	\$12.00
MCC-POC03M	Precision optical cleaner.....	\$15.00
MCC-FCC03M	Fiber connector cleaner.....	\$12.00

Each cleaning solvent comes with a Triton3-way dispenser

Connector Cleaning Wipes

Engineered specifically for cleaning fiber optic connector end-faces and/or optical fiber before splicing, each FiberAide wipe is made from MicroCare's fabric that resists linting and tearing, even on LC connector end-faces. FiberAide wipes are used in harsh environments.

MCC-WFW: 90 wipes/tub.
MCC-FAI: Each wipe can clean up to six end-faces



MCC-WFW	Plastic mini-tub of 90 wipes.....	\$12.00
MCC-FAI	FiberAide bag of 50 wipes.....	\$24.50

Solvent Pen



Specifications:

- Contents: 9 grams of fiber optic solvent
- Dispenser: Felt-tip, spring-activated valve in aluminum pen body
- Dimensions: 5.5" x 0.5" dia



Cleaning Kits from Fluke Networks are available on..... p.21

NFC SOLVENT PEN	Fiber optic solvent pen.....	\$9.95
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Cleaning Zone Cards

- Contents: 12 cleaning zones
- Dimensions: 3.75" x 2" x 0.1"
- Material: Lint-free 55% cellulose/45% polyester



Cleaning kits from Fluke Networks are available on.... p.21

Cleaning Cube

- Contents: 125 wipes – each cleans up to 4 end-faces
- Dimensions: 2" x 2" x 2"
- Material: Lint-free 55% cellulose/45% polyester



Cleaning Kits from Fluke Networks are available on.... p.21

NFC CARDS-5Pack	5 cards with sealed cleaning zones.....	\$20.00
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NFC CUBE	Cleaning cube with wipers.....	\$35.00
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Fiber Optic Cleaning Kits



The fiber optic kit for installation and maintenance in the kit, ITW Chemtronics has included only the cleaning supplies necessary for making a successful 2.5mm fiber optic connection. Electro-Wash PX precision fiber optic cleaner and QbE cleaning system are included for performing the CCp. Swabs are also included for cleaning ferrules, alignment sleeves and backplane connections. Electro-Wash MX premoistened wipes are included for tool and cable wiping. The swabs are packaged in rugged tubes for field operations. They are equipped with a carabiner to clip on a tool belt for transport or to clip a cable for convenient access.

Kits include:

- QbE cleaning system (200 sheets)
- Electro-Wash PX cleaner
- 2.5mm foam swabs (50 swabs)
- Lint-free wipes (100 4"x4" wipes)
- Electro-Wash MX premoistened wipes (5)
- Instructions
- Rugged bag with carabiner attachment

CFK1000 also includes:

- V-groove and ferrule cleaning swabs (50 swabs)
- Fusion splice mirror cleaning swabs (15 swabs)

CFK-1000	FTHH fiber optic cleaning kit.....	\$97.35
CFK-1010	I&M fiber optic cleaning kit.....	\$70.15

Electro-Wash® PX Fiber Optics Precision Cleaner



- Safe on plastics
 - Flammable
 - Extra cleaning strength
 - Ozone safe
 - Dries fast
 - Leaves no residue
- Applications:
- Quickly cleans end-faces and connectors
 - One-step buffer gel removal
 - Cleans a range of oil and handling soils
 - Use with QbE Fiber Optic Cleaning System or Coventry™ Econowipes™ wiper

ES810 Electro-Wash PX fiber optic precision cleaner... **\$9.95**

QbE® Cleaning System



- Complete Fiber Optic Cleaning System – No refills to buy or investment in expensive mechanisms to maintain
- Effective “Wet” or “Dry” Connector Cleaning – The only cleaning system that gives both options: For “Wet” cleaning use Electro-Wash® PX Fiber Optics Cleaner or blot connector on Electro-Wash® MX Presaturated wipe first
- Won't shred or tear.

QBE Qbe cleaning system..... **\$38.95**

IPA Presaturated Wipes



- Features ultra pure mixture of 70% IPA and 30% deionized water
- Features ultra pure mixture of 70% IPA and 30% deionized water or 91% IPA and 9% deionized water
- High absorbency and liquid retention
- Strong, will not tear, shred, unravel or lint
- Holds up to the most rigorous scrubbing

SIP100P IPA pre-saturated wipes..... **\$23.95**

Electro-Wash® MX Presaturated Wipe

- Cleans all soil types, removes organic and ionic soils
- Moderate evaporation rate increases cleaning power
- Leaves no residue
- Presaturated wipe great for toolbox or travel



CP421 Electro-Wash MX presaturated Wipes... **\$42.85**

Fiber Optic Cleaning Kits

Contaminated end-faces are the #1 cause of fiber link failure. Prevent this common problem with Fluke Networks' Fiber Optic Cleaning Kits and Components. These precision fiber optic cleaning kits effectively remove all contaminants from end-faces on patch cords and inside ports.

By using the specially formulated solvent, all contaminants are dissolved, static charge is neutralized and particles are lifted without scratching the end-face. The customized wipers and swabs are used to deliver the solvent to the end-face, entrap microscopic debris and absorb dissolved contaminants. And all of these items can be carried and stored in one rugged and convenient case.

NFC-Kit-Case kit includes:

- Cleaning cube with wipes
- Ten cards with sealed cleaning zones
- Solvent pen
- 2.5mm port cleaning swabs
- 1.25mm port cleaning swabs
- Rugged carrying case

NFC-Kit-Box kit includes:

- Cleaning cube with wipes
- Five cards with sealed cleaning zones
- Solvent pen
- 2.5mm port cleaning swabs



NFC-Kit-Case	Cleaning Sticks Biconic/MPO.....	\$165.00
NFC-Kit-Box	Cleaning Stick 1.6 & 2.0mm connectors.....	\$80.00

Cletop Ferrule Cleaner

The Cletop connector cleaner provides a rugged handheld tool for cleaning fiber optic ferrules (connector endfaces). Cletop cleaners allow users to quickly change the disposable cleaning tape (400 cleans per tape). This makes the Cletop connector cleaner an inexpensive tool suitable for the lab and field use. Safety: Cletop ferrule cleaners quickly and effectively clean fiber optic connectors without the need for alcohols, which can be toxic and flammable.



CS000135	Cletop ferrule cleaner.....	\$89.00
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MPO Cleaner

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The MPO Cleaner is a high-performance device designed for cleaning the ferrule end-faces of MPO (MTP®) connectors. This tool cleans the fiber endface without the use of alcohol. It saves time by effectively cleaning all 12 fibers at once. The MPO connector cleaner is designed to clean both exposed jumper ends and connectors in adapters.



CS000710	MPO cleaner.....	\$84.00
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Fiber Cleaning Pack

AFL Telecommunications offers a complete selection of Noyes brand fiber optic cleaning kits for field cleaning of connector end faces in fiber frames, adapters and on jumpers. Using our exclusive FCC2 non-hazardous cleaning fluid and CCT molded cleaning tips, the FCP1 Series of kits delivers compact, safe, easy to use, reliable cleaning for all types of fiber optic connector end faces including Military and Multiple Fiber Ferrule designs.

A wide variety of pre-stocked kits make ordering easy.

Kit Contains:

- (2) CCTS-25-0900 (40 sticks for FC, SC, ST adapters) BLUE
- (1) CCTS-12-0900 (40 sticks for LC, MU adapters) GREEN
- (1) CCTP-25-0900 (20 sticks for all connector ends) YELLOW
- (1) Cletop



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FCP1-00-0914	Fiber Cleaning Pack.....	\$275.00
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Optical Fiber Inspection Scope

The OFS 300 offers 60 hours of continuous battery life from standard 2 x AA batteries and features an LED indicator, which will flash when batteries require replacement.



The Noyes OFS 300 from AFL Telecommunications 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.

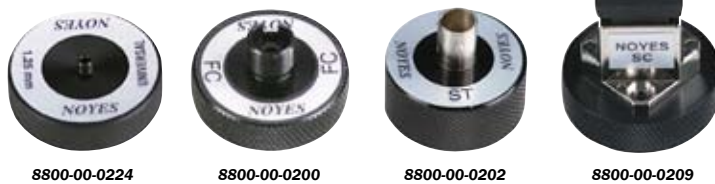
A built-in laser safety filter provides > 40 dB IR protection to reduce risk of injury to the eye if accidentally viewing an active fiber. The OFS 300 features a universal adapter cap mount that accepts a variety of Noyes thread-on style adapter caps (ordered separately) to ease inspection of many connector style. A momentary power switch located on the top panel keeps one hand free for focusing.

- Laser safety filter installed
- Universal adapter interface
- Low battery LED indicator
- Long battery life with 2 x AA alkaline
- Tripod mount
- Rugged, handheld, easy to use

OFS-300-400C 400x optical fiber inspection scope..... **\$445.00**

OFS-300-200C 200x optical fiber inspection scope..... **\$395.00**

Screw-On Adapter Caps



The Noyes 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 OPM power meters and OFS inspection scopes.

8800-00-0224	1.25mm universal screw-on adapter cap.....	\$50.00
8800-00-0214	2.5mm universal screw-on adapter cap.....	\$50.00
8800-00-0200	FC screw-on adapter cap.....	\$50.00
8800-00-0209	SC screw-on adapter cap.....	\$50.00
8800-00-0202	ST screw-on adapter cap.....	\$50.00
8800-00-0221	E-2000 screw-on adapter cap.....	\$165.00
8800-00-0204	Biconic screw-on adapter cap.....	\$50.00
8800-00-0203	SMA screw-on adapter cap.....	\$50.00
8800-00-0225	LC simplex/duplex screw-on adapter cap.....	\$90.00

8800-00-0210	ESCON screw-on adapter cap.....	\$225.00
8800-00-0211	DIN 47256 screw-on adapter cap.....	\$50.00
8800-00-0205	FDDI screw-on adapter cap.....	\$95.00
8800-00-0201	D4 screw-on adapter cap.....	\$50.00
8800-00-0219	OptiTap 2.5 mm screw-on adapter cap....	\$50.00
8800-00-0223	1000µm bare fiber(plastic) adapter cap...	\$50.00
8800-00-0226	MU simplex screw-on adapter cap.....	\$95.00
8800-00-0230	MT-RJ (A side only) screw-on adapter cap	\$95.00
8800-00-0231	MT-RJ (A or B side) screw-on adapter cap	\$95.00
8800-00-0232	Nickel silver 2.5mm screw-on adapter cap	\$50.00

100-200x Inspection Scopes



Leviton's inspections scopes allow techs to view multimode and singlemode end-face polished safely and reduce change of over polishing (a side effect of many coaxial inspection scopes). The 200X scope features oblique viewing technology, ergonomic grip, 200X magnification and full laser eye protections through wavelength of 850-1550 nanometer.



49886-SCP	100x inspection scope.....	\$161.50
49886-FSP	200x inspection scope.....	\$182.75

FiberViewer Inspection Scope



Use FiberViewer microscopes to ensure fiber terminations are smooth and clean. Avoid the #1 cause of fiber link failure: dirty end-faces.



- Easy, manual focus of precision optics
- Factory-tested filters to protect eyes from harmful light exposure
- Universal adapters allow for inspection of end faces on many different connector types
- Available in 200x or 400x

FT120	FiberViewer 200x inspection scope.....	\$395.00
FT140	FiberViewer 400x inspection scope.....	\$445.00

Fiber Inspection Microscope



- 100X magnification for viewing multimode connectors.
- Includes 2.5mm connector "Universal Adapter" for FC, ST, and SC style connectors.
- Oblique illumination provides excellent view of ferrule cleanliness and core condition.
- White LED illumination delivers 100,000 hours or bulb life.
- Soft padded carrying case included



45-332 Fiber inspection microscope..... **\$210.00**

Fiber Inspector Microscope



- High powered microscope used to check a connector's endface for excess epoxy, cladding chips, and other irregularities that degrade optical performance of the connector.
- Laser safety filter protects eyesight.
- Rubber eyecup for comfortable use.
- 200X magnification
- Universal adapter works with ST, SC, or FC connectors



45651 Fiber inspector microscope..... **\$332.35**

FiberInspector Mini

Use FiberInspector™ Mini to examine installed fiber terminations or ensure terminations are smooth and clean. Avoid the #1 cause of cause of fiber link failure: dirty end-faces.

The Fluke Networks FiberInspector Mini Video Microscope puts the solution to contaminated end-faces in the palm of your hand. This portable video microscope works ten times faster than traditional scopes. Simply insert the probe and inspect installed fiber connectors through the bulkhead adapters without accessing the backside of the patch panels. Using a video microscope also completely ensures that no harmful laser light ever reaches your eyes.

Kit Contains:

- Fiber probe & display
- AC adapter/battery charger
- Probe adapter tips (ST, SC, & universal 2.5mm patch cord tip)
- Soft carry case.



FT500 FiberInspection mini video microscope..... **\$1350.00**

FiberInspector Pro

The FiberInspector Pro is a portable, dual magnification video microscope, which enables inspection of all types of installed debris and end-face damage.

- Easily inspects fiber connectors already installed in patch panels
- Quickly determines whether fiber connectors on a hardware device are clean and in good condition - without disassembling the device
- Contains high-magnification optics that provides crisp images of microscopic debris and end-face damage.
- Includes a high-contrast, handheld display that presents instant, sharp images with its 3.5" active matrix LCD.
- Is compatible with standard ST, SC, and FC connectors, and other connector types including small form factor connectors with optional adapter tips.



The FiberInspector Pro is the ultimate inspection tool. Its 3.5" screen provides a larger image from its dual magnification probe.

FT600 FiberInspector Pro video microscope..... **\$3150.00**



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Fiber Optic Cable Tester



- Simple, versatile, and user-friendly design
- Rugged, compact, and splash proof aluminum housing
- 650nm laser
- High output $\geq 0.5\text{mW}$
- Continuous wave output mode (CW) for steady illumination
- Blinking output mode increases viewing contrast
- Support 2.5mm connect (for PC/FC/SC/ST)
- The button switch permits one-handed operation



Range approx. 4km

Specifications:

Laser Class	Class 3A laser diode
Operating Temp.	0 ~ +40 °C
Storage Temp.	0 ~ +50 °C
Dimension length	160mm, dia 13.5mm

Visual Fault Finder



- Continuous wave output mode for steady fault location.
- Find breaks to 3km.
- Blinking output mode increases viewing contrast.
- Easy & quick interface fits all 2.5mm connector interfaces (FC, ST, SC).
- Ergonomic rotary switch permits easy one-handed operation.
- Rugged, compact and splash proof aluminum design.



Specifications:

Optical Light Source Type	635nm red laser
Nominal 635nm range	630nm to 640nm
Power requirements	two AA batteries
Battery life	Approx. 48 hours cont.

902-186	Fiber optic cable tester.....	\$79.99	170XL	Visual fault finder.....	\$360.00
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VFF5 Visual Vault Finder



The Visual Fault Finder is a light source used to locate break, poor mechanical splices and damaged connectors in fiber optic cables. Its perfect to verify continuity, test and find breaks in fiber links, or anywhere fiber optic cables are terminated and subject to mechanical damage



VFF5 includes:

- Carrying Case
- Lens Cap
- Batteries
- Lanyard
- Instruction sheets

VisiFault



The visual fault locator can locate fibers, verifies continuity and polarity, and helps find breaks in cables, connectors, and splices. Compatible with 2.5mm and 1.25mm connector for easy connection.



- Bright red visible laser light source
- Speeds fiber tracing and identification
- Rugged case survives drops, impacts, and vibrations
- Over 80 hours of battery life with two AA batteries

VFF5	VFF5 visual fault finder.....	\$289.95	VisiFault	VisiFault visual fault finder.....	\$290.00
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HILite & VF12 Visual Fault Finders



The HILite and VF12 are compact but powerful visible red laser 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 can identify faults in fiber optic jumper cables, distribution frames, patch panels, and splices trays.



VF12	Visual fault finder.....	\$379.00
HILITE	Visual fault finder keychain.....	\$279.00

Pen-Style Visual Fault Finder



The P6230A is a pencil style VFL that features a universal connector accepting any optical connector with a 2.5mm Ferrule. The VFL output is from a 650nm laser providing visibility to 5km.



- Tests and finds breaks in LANs
- Looks for cracked fibers in splice cases and bad connections
- Looks for tight crimps in fiber cable and backbone break

F6230A	Pen-style visual fault finder.....	\$265.00
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Telecom Optical Fiber Identifiers



The Wilcom Model F6222 Telecom Optical Fiber Identifier is a rugged, easy-to-use installation and maintenance instrument which identifies optical fibers by detecting the optical signals being transmitted through a singlemode fiber. This unit eliminates the probability of interrupting service.

This Optical Fiber Identifier detects low frequency tones at 270 Hz, 1000 Hz and 2000 Hz. When traffic is present on the fiber under test, an audible tone can be heard as well as the traffic direction which is indicated by LEDs illuminating on the probe.



F6222 Telecom optical fiber identifiers..... **\$1685.00**

OFI 200 Optical Fiber Identifier



The OFI 200 model is equipped with a two-position head design that can be configured to work with 250µm, 900µm, ribbon, or jacketed fiber in seconds, without tools or adjustments.

- Low insertion loss - traffic remains uninterrupted
- Indicates direction of traffic
- Indicates tone visually & audibly
- 2 kHz tone detection
- Battery operated



OFI 200D Optical fiber identifier..... **\$1495.00**

Fiber Video Scope

The VFS 2 is a small extremely versatile video fiber scope, which retains the superior image quality associated with Noyes inspection products. The unique "optical-knuckle" allows the user orient the probe head in virtually any direction. This feature allows the user to view connectors that may be located in tight or difficult locations. With a probe head length of less than 8 cm (3.25"), access into crowded/cramped quarters becomes a reality.

The VFS 2 resolves 3/4 micron scratches, keeping with our standard of quality end-face images. The unit is designed for one-handed operation and with the "optical-knuckle" feature, the unit is equally easy for both right and left handed individuals. New precision adaptor tips put the fiber in the viewing area right away. These tips ensure the optics will view into the alignment sleeve, thereby simplifying centering the fiber.

VFS2-00-0900 Fiber video scope..... **\$2250.00**



Fiber Optic Inspection Microscope

Fiber inspection scopes are used to inspect optical fiber connectors for scratches, dirt, pits, or other problems normally associated with poor transmission performance. By using threaded adapter mounts, Noyes fiber scopes can inspect the fiber and surrounding ferrule of virtually any connector style. Three models, the VFS 1, OFS 300, and VS 300 are available for various applications.

VS 300 View Safe Video Microscope for Fiber Optic Connectors on Patch Cords. The VS 300 view safe video microscope 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.

VS300 Fiber optic Inspection microscope..... **\$765.00**



Compatible with Noyes screw-on adapter caps **p.22**



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OLS1-1 Optical Light Source



The OLS1 is a cost-effective, rugged, handheld LED light source for performing insertion loss measurements on fiber optic links when used with an optical power meter. The LED output is stabilized to ensure accurate test results per current TIA/EIA requirements.

The OLS1 is easy to operate with only a [Wavelength/Power] switch, which selects optical wavelengths or disables unit. [Active Output], [Battery], and [External Power] indicators identify the currently enabled output port, battery charge status, & external power presence. The OLS1 operates over 60 hours from a typical 9V alkaline battery.

OLS1-1C	Optical light source 660nm - 850nm (ST).....	\$375.00
OLS1-2C	Optical light source 850nm - 1300nm (ST).....	\$695.00
OLS1-Dual	Optical light source 850nm - 1300nm (SC/ST)..	\$795.00

OLS2 Laser Light Source with Wave ID



The OLS2-Dual is a handheld, rugged laser source for performing insertion loss measurements on single-mode fiber optic links when used with a power meter.

The OLS2-Dual features 1310 nm and 1550 nm LASER output from a single output port and offers several modes of operation. 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 designated LED indicator will illuminate to identify the currently enabled operating mode and emitted wavelength(s).

OLS2-Dual	Laser light source with wave ID.....	\$1535.00
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Features:

- Handheld, rugged, lightweight
- Integrated LED and Laser light source
- Dual wavelengths from a single port
- Dual or single Wave ID, CW, Tone (SM output)
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone
- Low battery LED indicator
- Long battery life with 2 x AA alkaline, optional AC adapter
- Free 50 µm and 62.5 µm mandrel
- Cost-effective, easy to use
- N.I.S.T traceable

OLS4 Laser Light Source with Wave ID

The OLS4 from AFL Telecommunication 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 LED and LASER outputs are stabilized to ensure accurate test results per current TIA/EIA requirements.

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). When transmitting with Wave ID, the OLS4 supports transmitting pairs of wavelengths in an alternating pattern. The designated LED indicator will illuminate to identify the currently enabled operating mode and emitted wavelength along with battery charge status and external power presence.

OLS-4	Laser light source with wave ID	\$2205.00
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Features:

- Handheld, rugged, lightweight
- Triple wavelengths from a single port
- Triple, dual, or single Wave ID, CW, Tone
- 270 Hz, 330 Hz, 1 kHz, 2 kHz Tone
- Low battery LED indicator
- Long battery life with 2 x AA alkaline, optional AC adapter
- Cost-effective, easy to use
- N.I.S.T. Traceable

OLS7 Triple Wavelength Laser Sources

The OLS7 from AFL Telecommunications 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 LASER output is stabilized to ensure accurate test results per current TIA/EIA requirements.

The OLS7 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. The OLS7 will also support transmitting pairs of wavelengths in an alternating pattern and triple wavelengths in a sequential pattern. Associated with each operating condition, the LED indicator will illuminate to identify the currently enabled operating mode and emitted wavelength along with battery charge status and external power presence.

OLS-7	Triple wavelength laser sources.....	\$2398.00
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Compatible with Noyes screw-on adapter caps
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- Features:**
- Premises (Ge) and broadband (InGaAs) models
 - Displays optical power (dBm)
 - Our simplest to use optical power meter

- Applications:**
- The OPM 1-2C is 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 Optical Power Meter

This portable 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.

With only two controls – ON/OFF and wavelength – the OPM1 is our simplest to use optical power meter. Optical power in dBm and the calibration wavelength setting are displayed on an easy-to-read LCD display. The optical input port accepts Noyes thread-on style connector adapter caps.

Adapter caps are required and must be ordered separately.

The OPM1 is fully N.I.S.T. traceable and runs on a standard 9-volt alkaline battery.

OPM1-2C Optical power meter..... **\$425.00**

OPM4 Optical Power Meter with Wave ID & Set Reference

The OPM4 optical power meter may be used to measure optical power in Premises, Telco, or Broadband fiber optic networks. When used with an LED or Laser light source, the OPM4 also measures insertion loss of multimode or single-mode cables.

The OPM4 offers Wave ID, automatic wavelength identification and switching, when used with the OLS1-Dual, OLS2-Dual, or OLS4. Multiple test Tone detection is provided for fiber identification. The OPM4 stores optical references for each calibrated wavelength. Shows measured power [dBm or μW] or insertion loss [dB], calibrated wavelengths, tone signal [Hz], wavelength ID, and the battery charge status.

Adapter caps are required for operation and ordered separately.

	Wavelengths	
OPM4-1D	(660, 780, 850).....	\$515.00
OPM4-2D	(850, 1300, 1310, 1550).....	\$560.00
OPM4-3D	(850, 1300, 1310, 1550, 1625).....	\$610.00
OPM4-4D	(850, 980, 1310, 1490, 1550, 1625).....	\$655.00



Compatible with Noyes screw-on adapter caps
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- Features:**
- Rugged, handheld, lightweight
 - Multi/Singlemode applications
 - Wave ID - Automatic Wavelength Identification and Switching
 - Passive Optical Networks (PON) Testing
 - 270 Hz, 330 Hz, 1 kHz, and 2 kHz Tone Detection
 - Battery Gauge
 - N.I.S.T Traceable



OPM5 Optical Power Meter with Wave ID, Set Reference, and Data Storage

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

The OPM5 features automatic wavelength identification and multiple test Tone detection for fiber identification, and stores optical references for each calibrated wavelength and up to 500 records per wavelength of power or insertion loss measurements. Using the supplied Windows® compatible software and USB connection, test records are transferred to a PC for analysis, printing, and storage. Shows measured power [dBm or μW] or insertion loss [dB], calibrated wavelengths [nm], tone signal [Hz], wavelength ID, and estimated remaining battery life.

Adapter caps are required for operation and ordered separately.

	Wavelengths	
OPM5-2D	(850, 1300, 1310, 1550).....	\$935.00
OPM5-3D	(850, 1300, 1310, 1550, 1625).....	\$1025.00
OPM5-4D	(850, 980, 1310, 1490, 1550, 1625).....	\$655.00



Compatible with Noyes screw-on adapter caps
p.22

- Features:**
- Rugged, handheld, lightweight
 - Multi/Singlemode applications
 - Wave ID - Automatic Wavelength Identification and Switching
 - Passive Optical Networks (PON) Testing
 - 270 Hz, 330 Hz, 1 kHz, and 2 kHz Tone Detection
 - Battery Gauge
 - N.I.S.T Traceable



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Fluke Networks CertiFiber



Interchangeable connector adapters permit simple network connection and straightforward reference power measurement. Interchangeable connector adapters are available in the most popular connector styles.

Kit Contains:

- CertiFiber
- Remote
- LinkWare Software
- Carrying Case

Certification of fiber optic links requires the right test tools, detailed knowledge of installation and application standards, and the ability to document your test results. CertiFiber meets this challenge with the industry's first dedicated handheld tester for certification of multimode networks. CertiFiber makes fiber certification fast. You press one-button and CertiFiber measures fiber length and optical loss on two fibers at two wavelengths, computes the optical loss budget, compares the results to the selected industry standard and provides an instant PASS or FAIL indication. Save, then upload, manage and report results with free LinkWare Software. Look to CertiFiber to test more fibers in less time.

- Measures multimode fiber length and optical loss
- Measures optical power and loss at 850nm and 1300nm using - LED dual-wavelength sources
- Saves 1000 Autotest results under customized job and circuit ID names
- Features a standards library for easy set-up

8240-04	CertiFiber kit.....	\$3215.00
8002-15	ST interchangeability connector adapter.....	\$75.00
8002-16	SC interchangeability connector adapter.....	\$75.00
8002-17	FC interchangeability connector adapter.....	\$75.00
8002-19	LC interchangeability connector adapter.....	\$81.75

SIGNALTEK-FO™ Multimedia Qualification Tester



SIGNALTEK-FO offers all of the existing capabilities of the SIGNALTEK Qualifier such as Gigabit Ethernet Qualification, and active link testing and adds the power capability of fiber Qualification.

In Addition to cable performance qualification, SIGNALTEK can be configured to run for several minutes or hours at a time. While stress testing critical network links, SIGNALTEK transmits hundreds of Gigabits of information across the network while looking for dropped packets. This monitoring mode allows SIGNALTEK to be used to isolate intermittent network problems that are difficult to detect. Adopting the latest generation of gigabit Ethernet Technology, IDEAL's innovation brings the best performance to this new class of testers.

33-981	SIGNALTEK-FO w/ (2) 850nm modules.....	\$2205.00
33-982	SIGNALTEK-FO w/ (2) 13x0nm modules.....	\$2590.00
33-983	SIGNALTEK-FO w/ (2) 850, (2) 13x0 modules.	\$2879.00

Singlemode & Multimode Fiber Optic Test Sets



*The last two letters of the model number represents the type of interface of the individual kit: FC, SC, or ST

Descriptions:	5670	5680	5690
Insertion loss test set for MM Fiber	•	•	•
Connector for FC, SC, or ST	•	•	•
Rugged package design	•	•	•
Easy-to-use portable package	•	•	•
850/1300nm loss measurements	•	•	•
1310/1550nm loss measurements		•	•
Included with Kits			
560XL optical power meter	•		•
580XL optical power meter		•	
570XL 850/1300nm LED source	•	•	•
580XL 1310/1550nm LED source		•	•
SOC adapter	•	•	•
914B carrying case	•	•	•

5670XL-__*	Multimode fiber optic test set.....	\$1085.00
5680XL-__*	Singlemode fiber optic test set.....	\$1530.00
5890XL-__*	Multi/single mode fiber optic test set.....	\$1995.00

SimpliFiber Fiber Optical Loss Test Kits

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networks

Fluke Networks' SimpliFiber Optical Loss Test Kits provide all the tools you need to verify proper installation and maintain optical fiber cabling infrastructure in one protective carrying case. Variety of kits contain simple and effective tools for measuring loss and power levels, locating faults and polarity issues and inspecting connector endfaces. Choose from our basic FTK-150 verification kit, the full featured FTK-300 multimode verification kit, our FTK-400 complete verification kit for both multimode and singlemode fiber cabling, or the CIQ-FTK which combines multimode fiber verification with the popular Cable IQ copper cabling qualification kits.

- Tests singlemode and multimode links
- Verify system loss and power levels at 850nm, 1300nm, 1310nm, 1550nm with SimpliFiber Power Meter and Sources



CIQ-FTK



FTK450



FTK350



FTK400



FTK300



FTK150

Features:	FTK450	FTK400	FTK350	FTK300	FTK150	CIQ-FTK
SimpliFiber power meter	•	•	•	•	•	•
840/1300nm SimpliFiber sources	•		•			
850/1300nm SimpliFiber sources		•		•	•	•
1310/1550nm SimpliFiber sources	•	•				
VisiFault	•		•	•		
FT120 200x fiberviewer		•		•		•
FiberInspector mini video microscope	•		•			
Carrying case	•	•	•	•	•	•
CableIQ advanced kit with intellitone probe						•

FTK450	Multimode & singlemode fiber test kit.....	\$5870.00	FTK400	SimpliFiber kit complete fiber kit.....	\$4500.00
FTK350	Multimode fiber test kit.....	\$3429.00	FTK300	SimpliFiber multimode verification kit.....	\$2080.00
CIQ-FTK	Cable IQ fiber and copper kit.....	\$3600.00	FTK150	SimpliFiber basic kit.....	\$1530.00

FiberMASTER Fiber Optic Test Kit

- Calibration Function - stores reference power level for quick dB loss measurements eliminating the need to manually calculate loss.
- Save Time and Money - power meter features 2.5mm universal and FC adapters, light source includes ST, SC and FC adapters to test the most common interfaces.
- Ready for FTTx - 1490nm measurement wavelength for use with nearly all single mode Fiber To The Home applications.

Kit Contains:

- Light source
- Power meter
- FC-SC 62.5um multimode cables SC calibration coupler
- Carrying case
- English, Spanish, German, French, Portuguese, Italian and Chinese user's manual



The FiberMASTER kit

IDEAL

FiberMASTER
power meter and
light source



33-928 FiberMASTER fiber optic test kit..... **\$719.95**



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Basic Multimode Test Kit



Compatible with Noyes screw-on adapter caps **p.22**

The MLP1 Test Kits are inexpensive solutions for testing multimode and single-mode systems. By joining the OPM 1 Optical Power Meter and the OLS 1 Optical Light Source, the MLP 1 is a great kit for beginners or network owners. Two versions of the MLP 1 Test Kit are available for testing Premises networks, LAN, and Gigabit Ethernet.

MLP 1-1S Contains:

- OPM1-2C Optical Power Meter
- OLS1-1C Optical Light Source
- Protective rubber boots
- Adapter cap
- 50 and 62.5 Åµm mandrels
- MLP1 user's guide
- Carry case

MLP 1-2 Contains:

- OPM1-2C Optical Power Meter
- OLS1-2C Optical Light Source
- Protective rubber boots
- Adapter cap
- 50 and 62.5 Åµm mandrels
- MLP1 user's guide
- Carry case

MLP 1-1S	Basic multimode test kit.....	\$749.00
MLP 1-2	Basic multimode test kit.....	\$935.00

Multimode Test Kit with Wave ID and Set Reference



The MLP4-2 test kit offers accurate fiber optic testing at an affordable price. Combining the OPM4-2D optical power meter and the OLS1-Dual LED light source in a rugged carry case, the MLP4-2 is a complete test kit for fiber optic LANs, and WANs.

Used during installations or maintenance, the MLP4-2 performs insertion loss measurements on multimode fiber at 850 and 1300nm, as well as singlemode fiber at 1300nm. The OPM4-2D optical power meter stores reference values at each wavelength for direct loss readings in dB.

MLP 4-2 Contains:

- OLS 1-Dual light source
- OPM 4-2D power meter
- AA batteries
- Protective rubber boots
- Adapter cap
- 50 and 62.5 µm mandrels
- MLP 4-2 kit user's guide
- Warranty registration card
- Carry case

MLP4-2	Fiber Optic Loss Test Kit.....	\$1125.00
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Multimode Test Kit Wave ID, Set Reference, and Data Storage



The MLP5-2 test kit raises field testing to new standards by combining our popular OPM5-2D optical power meter, and the OLS-1 Dual LED light source in a rugged carrying case. Used during installations, the MLP5-2 performs insertion loss measurements on multimode fiber at 850 and 1300nm, as well as measurements on singlemode fiber at 1300nm

The OPM5-2D stores 500 loss readings for each wavelength. In addition, the OPM5-2D will remeasure any specific memory location without erasing or modifying other loss readings. With the supplied PC software, saved test results can be transferred to a PC for storage, analysis, and printing.

MLP 5-2D Contains:

- OLS 1-Dual light source
- OPM5-2D power meter
- AA batteries
- protective rubber boots
- adapter cap
- USB cable
- Windows® compatible software and user's guide
- 50 and 62.5 µm mandrels
- MLP 5-2 test kit user's guide
- warranty registration card
- carry case.

MLP5-2D	Fiber optic loss test kit.....	\$1590.00
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Single/Multimode Test Kit w/Wave ID & Set Reference

These test kits combines an optical power meter and LED and Laser light source and is ideally suited for testing fiber optic networks with hybrid cables.

SLMP5-5 Contains:

- OLS4 optical light source
- OPM5-2D power meter
- AA batteries
- Protective rubber boots
- Adapter cap
- Windows® software and user's guide
- 50 and 62.5 µm mandrels
- Carry case

SLMP4-4 Contains:

- OLS4 optical light source
- OPM4-2D power meter
- AA batteries
- Protective rubber boots
- Adapter cap
- Windows® software and user's guide
- 50 and 62.5 µm mandrels
- Carry case



SLMP5-5 Single/multimode test kit w/data storage.. **\$2800.00**
SLMP4-4 Single/multimode test kit..... **\$2495.00**

Contractor Series Test Kit with Set Reference



Combining the CSM2 optical power meter and the CSS-MM Dual LED light source, the CMK2 is a cost-effective test kit designed for performing insertion loss measurements on multimode fiber optic links.

CKM Contains:

- CSS1-MM Dual LED source
- CSM1-2 optical power meter
- AA batteries
- 2.5mm universal adapter cap
- UCI-SC connector
- 50 and 62.5 µm mandrels
- User's guide

CKSM Contains:

- 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

CKSM2 Multi/singlemode contractor series test kit... **\$1545.00**
CKM2 Multimode contractor series test kit..... **\$749.00**

Single-mode Test Kit with Wave ID and Set Reference



These test kits combine an optical power meter and the Laser light source and is ideally sited for testing singlemode fiber optic networks. The SLP5-6D performs loss measurements on singlemode fiber at 1310 and 1550nm.

SLP4-6D Contains:

- OLS2-Dual optical light source
- OPM5-4D optical power meter
- AA batteries
- protective rubber boots
- adapter cap
- USB cable
- Windows® compatible software and user's guide
- SLP5-6D test kit user's guide
- carry case

SLP5-6D Contains:

- OLS2-Dual optical light source
- OPM4-4D optical power meter
- AA batteries
- protective rubber boots
- adapter cap
- SLP4-6D test kit user's guide
- Carry case

SLP4-6D Singlemode test kit..... **\$2110.00**
SLP5-6D Singlemode test kit with data storage..... **\$2495.00**

Specifications	MLP1-1S	MLP1-2	MLP4-2	MLP5-2B	CKM2	CKSM2	SMLP5-5	SLP4-6D	SLP5-6D
Power Meter	OPM1-2C	OPM1-2C	OPM4-2D	OPM5-2D	CSM2	CSM2	OPM5-2D	OPM4-4D	OPM5-4D
Light Source	OLS1-1C	OLS1-2C	OLS1-Dual	OLS1-Dual	CSS-MM	CSS-(MM,SM)	OLS4	OLS2-Dual	OLS2-Dual
Fiber Type	MM	MM, SM	MM, SM	MM, SM	MM	MM, SM	MM, SM	SM	SM
Measurements Units	dBm	dBm	dB, dBm, µW	dB, dBm, µW	dB, dBm, µW	dB, dBm, µW	dB, dBm, µW	dB, dBm, µW	dB, dBm, µW
Wavelength ID	-	-	yes	yes	-	-	yes	yes	yes
Available Connectors	ST	ST	SC, ST, FC	SC, ST, FC	SC	SC	SC, ST, FC, LC	SC, ST, FC, LC	SC, ST, FC, LC
Set Reference	-	-	yes	yes	-	yes	yes	yes	yes
PC software & storage	-	-	-	yes	-	-	yes	-	yes



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DTX CableAnalyzer Series

3x FASTER

faster than existing testers with 9-second Cat 6 Autotest

Advanced Diagnostics

The DTX Series provides quick directions to identify the point of failure and the possible reason(s). These directions not only tell you the problem, but also identify corrective actions your test technicians can take to solve the problem quickly.

Level IV Accuracy

Until now, testers have been designed to meet accuracy Level III. The more demanding accuracy Level IV specification has been proposed in ISO/IEC to test Class F links to 600 MHz. DTX testers assure you of higher confidence in results over the full frequency range.



DTX-LT CableAnalyzer Contains:

- DTX-LT Main and Remote LinkWare PC Software
- Cat 6/Class E Permanent Link Adapters (2)
- 6/Class E Channel Adapter (1)
- AC Chargers (2)
- Carrying Case
- USB Cable
- User Manual

DTX-1200 CableAnalyzer Contains:

- DTX-1200 Main and Smart Remote LinkWare Software
- Cat 6/Class E Permanent Link Adapters (2)
- Cat 6/ Class E Channel Adapters (2)
- Headsets for Talk (2)
- AC Chargers (2)
- Carrying Case
- USB Interface Cable
- User Manual

DTX-1800 CableAnalyzer Contains:

- DTX-1800 Main and SmartRemote LinkWare Software
- 16MB MMC Card
- Cat 6/Class E Permanent Link Adapters
- Cat 6/Class E Channel Adapters (2)
- Headsets for Talk (2)
- AC Chargers (2)
- Carrying Case
- USB Interface Cable
- Serial RS-232 Cable
- User Manual

The DTX CableAnalyzer Series from Fluke Networks is the testing platform for today - and tomorrow. This revolutionary new future-proof platform significantly reduces total time to certify by improving every aspect of the testing process.

It all starts with 9-second Cat 6 Autotest that means you can meet TIA-568-B and ISO 11801:2002 certification requirements and receive structured cabling warranties much faster than ever before. With all this speed also comes increased accuracy. The DTX is the only independently verified tester to obtain UL classification for ISO Accuracy Level IV. And, the DTX 10 Gig Copper Kit together with DTX-1800 delivers on the promise of a future-proof investment - measuring 10 Gig cabling performance and Alien Crosstalk (ANEXT and AFEXT) in full compliance with the industry standards to 500 MHz. The AC Wiremap feature validates twisted-pair cabling for Power over Ethernet services in accordance with TIA/EIA standards, even if a Midspan power supply is used. With the DTX Series, you're ready for whatever the world throws at you - today and tomorrow.

- DTX significantly reduces total certification costs up to **33%** a year
- **3** times faster than existing testers with 9-second Cat 6 Autotest
- Independently verified by UL to ISO Level IV & proposed TIA Level IIIe requirements
- Analyze test results & create professional test reports using LinkWare software
- Verify the availability of network and IP services using the Network Service Module
- Perform basic fiber certification five times faster with DTX Fiber Module
- Perform extended fiber Certification with DTX Compact OTDR

DTX Patch Cord Test Adapters: A fast, simple way to ensure patch cords meet the performance requirements of the installed link.



DTX - it's all about time™

For info and other DTX accessories go to:

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DTX-1800MS	CableAnalyzer with MM/SM probes.....	\$16645.00
DTX-1200MS	CableAnalyzer with MM/SM probes.....	\$15850.00
DTX-1800M	CableAnalyzer with MM probes.....	\$11295.00
DTX-1200M	CableAnalyzer with MM probes.....	\$10615.00
DTX-1800	CableAnalyzer 900Mhz.....	\$7949.00
DTX-1200	CableAnalyzer 350MHz.....	\$7210.00
DTX-LT	CableAnalyzer 350MHz - 30 second auto test....	\$6470.00
DTX-PLA001S	Universal permanent link adapter (2).....	\$715.00
DTX-COAX	DTX coax cable test adapter (2).....	\$565.00
GLD-DTX	Gold support services 1 year for DTX.....	\$715.00

Features:	LT	1200	1800
Category 6 Autotest in Seconds	30	9	9
Bandwidth	350	350	900
Accuracy Level IV	•	•	•
Stores Graphical Results	•	•	•
USB Interface	•	•	•
Serial Interface	•	•	•
Cat 6 Permanent Link Adapter	•	•	•
Cat 6 Channel Adapter	•	•	•
Talk Between Main and Smart Remote	•	•	•
Cat 6 Results for 16MB Memory Card		300	300

DTX Compact OTDR Module

Fluke Networks' new Compact OTDR module is the latest enhancement to the DTX CableAnalyzer - a revolutionary test platform. In addition to performing copper certification and diagnostics, your team can become fiber test experts when you decide to grow your business and turn your cable tester into an OTDR. This full featured, compact OTDR module snaps onto a DTX CableAnalyzer and provides unmatched ease of use for premises fiber testing. Choose a kit that includes a DTX mainframe and smart remote, options for copper certification, optical loss/length capability, or order a module and software that can be installed on a your own DTX CableAnalyzer.

- Test and troubleshoot fiber like an expert with easy to use DTX compact OTDR
- Shoot OTDR traces on singlemode and multimode links at: 850, 1300, 1310, & 1550nm.
- Perform basic loss/length certification & extended certification with one powerful tester
- Diagnose hard to find fiber failures with DTX compact OTDR and resolve simple cable faults polarity problems with built-in VFL
- Produce professional certification test reports with LinkWare management software.



Features:	DTX-1800-MSO	DTX-QUAD-OTDR	DTX-OTDR-KIT	DTX-OTDR/LL-KIT	DTX-OTDR-QMOD
850/1300/1310/1550 OTDR Module	•	•	•	•	•
DTX 1800 Mainframe	•	•			
DTX Smart Remote	•				
Copper Accessories	•				
Fiber Accessories	•			•	
Launch Fiber	•		•	•	
Fiber Inspector Mini	•				
Fiber Optic Cleaning Kit	•		•	•	
Protective Carrying Case for DTX	•				
Protective Carrying Case for DTX OTDR	•	•	•	•	•
Set of Multimode Modules (MFM2)	•			•	
Set of Singlemode Modules (SFM2)	•			•	
Price	\$27795.00	\$11650.00	\$10305.00	\$19720.00	\$8960.00

Recommended DTX Accessories

DTX 10GB Alien Crosstalk Kit



The DTX 10 Gig over Copper Solution enables testing and certification of twisted pair cabling for 10 Gigabit Ethernet deployments - whether it is an existing Cat 6 or newly installed Augmented Cat 6 cabling system.

DTX 10GB alien crosstalk analyzer kit
DTX-10GKIT..... \$2495.00

UTP Cat 6 Patch Cord Adapter Set



Includes: DTX Main adapter (DTX-PCU6/MN) and DTX Smart Remote adapter (DTX-PCU6/SR)

UTP Cat 6 patch cord adapter set
DTX-PCU6S..... \$665.00

Universal Permanent Link Adapters



(2) Universal Permanent Link Adapters with PM06 Personality Module

Universal permanent link adapters
DTX-PLA001S..... \$715.00



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OptiFiber® Certifying OTDR

Certify it. Diagnose it. Document it.

With the complete fiber test solution for network owners and installers.

- Boost productivity with an easy-to-use interface and lightweight design.
- Diagnose fiber cabling issues with integrated ChannelMap™, Auto OTDR and fiber endface inspection.
- Certify fiber using integrated Auto OTDR analysis, automated loss and length measurements and fiber end-face inspection.
- Enhance visibility into premise, campus and metro networks with short event deadzones.
- Document fiber with LinkWare data management and reporting software.

As bandwidth increases in premises networks, the use of fiber optics grows – and so do the requirements for testing and certifying it. To ensure the performance of mission-critical fiber optic links, network owners are demanding information that gives them a more complete picture of their fiber plant. And no solution provides a more complete picture than the OptiFiber® Certifying OTDR. This power packed fiber optic testing solution gives you everything you need – in one fast, field tough tool. Now network owners and installers of all experience levels can quickly and easily troubleshoot connection-rich fiber optic cabling and certify and document fiber to the latest standards.

Features:	OF-500	OF-500-01	OF-500-02	OF-500-10	OF-500-15	OF-500-35
OptiFiber OTDR w/carrying strap & user guide	•	•	•	•	•	•
Multimode module		•				
Multimode module w/power meter			•			
Multimode module w/power meter & source				•	•	•
Singlemode module w/power meter & source						•
250X/400X inspection camera				250X	•	•
Smart Remote w/multimode module, guide & carrying strap					•	
CD's with LinkWare PC software and manuals	•	•	•	•	•	•
USB cable	•	•	•	•	+Mini-B	•
Memory card	•	•	•	+MMC	+MMC	•
Singlemode launch fiber						•
Singlemode test reference cords						•
Test reference cords				•	•	•
Launch fiber		62.5µm	62.5µm	62.5µm	62.5µm	62.5µm
Carrying case (soft & hard)				Soft	•	•
Price	\$4990.00	\$13989.00	\$14989.00	\$19990.00	\$24990.00	\$30795.00

Recommended OptiFiber Accessories

OFTM-5610B	OptiFiber MM OTDR module.....	\$7995.00
OFTM-5611B	OptiFiber MM OTDR & power meter.....	\$8495.00
OFTM-5612B	OptiFiber MM OTDR, power meter, & source.....	\$11995.00
OFTM-5730	OptiFiber SM OTDR & power meter.....	\$7995.00
OF SR-MMREM	OptiFiber Smart Remote w/ MM bundle.....	\$4995.00
OF SR-SFM	SM module for OptiFiber Smart Remote.....	\$2995.00
OFTM-5352	FiberInspector Pro video probe w/tips.....	\$2495.00
NFK1-LAUNCH	OptiFiber 62.5µm SC-SC 100-m launch cable....	\$595.00
NFK2-LAUNCH	OptiFiber 50µm SC-SC 100-m launch cable.....	\$595.00
NFK3-LAUNCH	OptiFiber SC-SC 130-m launch cable.....	\$595.00

General OptiFiber Specifications

Weight:	Main w/module and battery: 4.5lb
Dimensions:	Main w/modular and battery: 11.5" x 7.5" x 2.5" 29 x 19.1 x 6.4cm
Battery:	Li Ion
Battery Life:	8 hr typical
Connections:	USB, RS-232, PS-2 Keyboard, Fiber inspector camera
Memory Card:	SD MMC (128MB maximum)
Operating Temperature:	0°C to 40°C



TouchScreen Monitor
See below for icon descriptions

M700 Single-mode Compact OTDR

- LSA Measurements in Expert mode
- Pass/Fail Event and Link Thresholds settings
- OTDR results saved as industry standard (GR-196) .SOR files
- OPM stores results and displays up to three wavelengths simultaneously
- Large, high bright, sunlight readable, touchscreen

Compact, full featured, single-mode OTDR

The Noyes M700 from AFL Telecommunications includes an integrated Visual Fault Locator (VFL), an Optical Power Meter (OPM) displaying up to three wavelengths simultaneously, and a large transreflective 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 an intuitive job set-up functionality. In addition to OTDR event analysis, pass/fail acceptance values, and marginal warning, specific 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.



M700 Contains:

- M700 Single-mode OTDR
- USB drive
- OTDR trace analysis/OPM loss
- Reporting software
- AC adapter
- 1.25/2.5-mm VFL/OPM
- Universal adapters
- SC/FC/LC OTDR adapter
- Users guide
- Soft case

M700 Singlemode compact OTDR..... **\$7500.00**

TouchScreen Icons and Descriptions



Full Auto: The recommended mode for users who are not familiar with OTDR operation. In the Full Auto OTDR mode, OTDR parameters such as Range, Pulse Width, & Averaging Time are automatic.



Real-Time: OTDR mode is for real-time troubleshooting. Note that the Wavelength setting can only be set to singular wavelengths. Range, Pulse Width, & Filter parameters are user set



Expert: OTDR mode is available for experienced users. You can set Range, Pulse Width, & Averaging Time manually or automatic. You can enable the event table or disable events



OPM: Used to perform Optical Power Meter Measurements



Results: Provides the file manager function to handle the results of OTDR and OPM test.



Settings: Allows the user to adjust general settings and displays the M700 version information



Job: For identifying job settings, (drives, folders, jobs, routes (end locations) cables, test equipment location & operators



Last Results: Displays the last view test result

General OptiFiber Specifications

Emitter Type	Laser
Safety Class	Class 1 FDA 21 CFR 1040.0 & 1040.11
Center Wavelengths	1310/1550nm
Dynamic Range (SNR=1)	38/36 dB (1310/1550nm)
Event Dead Zone ¹	0.9m
Attenuation Dead Zone ²	5.5m
Pulse Widths	5, 10, 30, 100, 300ns, 1, 3, 10, 20µs
Distance Sampling Points	Max. 64,000 points
Data Point Spacing	0.125m (range ≤ 2km) 0.25m (range = 4km) 0.5m (range = 8km) Range/# of data points (range ≥ 16km)
Range Settings	250m to 256km
Group Index of Refraction	1.4000 to 1.6000
Distance Uncertainty	(1+0.0005% x distance = data point spacing
Trace File Format	Bellcore GR-196 Version 1.1
Trace File Storage Media	Internal flash memory USB flash drive Downloadable from OTDR directly to PC
Trace File Storage Capacity	Internal 1000 fibers
Data Transfer to PC	USB
OTDR Modes	Full Auto, Real Time, Expert
Tool Free Adapters	Modular cleanable SC/ST/FC/LC



TouchScreen Monitor



M200 Handheld OTDR

Unmatched OTDR capabilities in a handheld package

The Noyes M200 from AFL Telecommunications offers unmatched OTDR capabilities in a handheld package weighing less than 1 kg (2 lb). Multimode, Single-mode, and 'Quad' wavelength models are offered. With short dead zone and intermediate range specifications, the M200 is ideal for Tier 2 testing of premises (building and campus) networks or certification and troubleshooting of FTTX PON networks. And its bright, transfective display makes it suitable for both indoor and outdoor operation.

The M200 is based on a new hardware/software platform that supports automatic and manual setup, precision event analysis, dual-wavelength testing, rich file naming and folder setup, 6-hour battery life, internal and removable media data storage, and USB connectivity. Test ports are equipped with tool-free adapters, which can be changed in seconds. A custom-designed polycarbonate case and shock-absorbing boot make it our most rugged OTDR ever.

Results are saved as industry standard .SOR files, which can be viewed, printed, and analyzed on a PC using free-ware available to you and your customers. Unit firmware, user settings, and test results are saved in non-volatile memory. Thus the M200 may be stored with battery removed for an extended period of time and still be up and running in seconds when needed.

New Feature

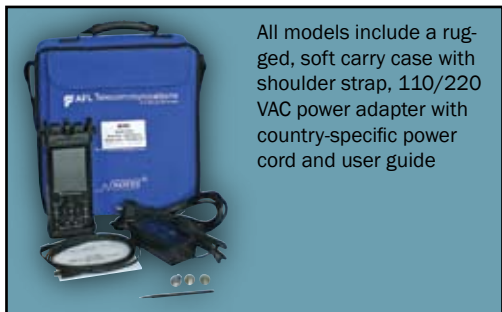
USB Host Port offers a new convenient way to transfer data from the M200 to a PC. By using a standard USB Flash Drive to transfer traces, the user no longer needs a USB Cable, ActiveSync or a Compact Flash reader. Using the Tools in the M200 File Manager, one or more folders or files can be copied to a USB Flash Drive for transfer to a PC. Thousands of files will fit on a 64 MB or larger USB Flash Drive.

Features:

- Handheld, 0.9kg (2lbs)
- 22 dB (MM), 26 dB (SM) dynamic range
- Integrated VFL (650mm)
- Tool-free, switchable adapters
- Transfective (indoor/outdoor) touchscreen display
- USB Host and Function ports

Applications:

- Tier 2 testing of premises networks
- FTTX PON certification and troubleshooting
- Fast fault location
- Splice verification
- Network Documentation



All models include a rugged, soft carry case with shoulder strap, 110/220 VAC power adapter with country-specific power cord and user guide

M200 Handheld OTDR Specifications:

	Multimode	Singlemode
Emitter Type	Laser	
Safety Class	Class I FDA 21 CFR 1040.10 & 1040.11 IEC EN60825-1:2007-03	
Center Wavelengths	850/1300nm	1310/1550nm
Wavelength Tolerance	± 20/ ±30nm	± 20/±30nm
Dynamic Range (SNR=1)	22 dB	26 dB
Event Dead Zone	1.5m	1.5m
Attenuation Dead Zone	9m	9m
Pulse Widths	10, 30, 100, 300ns, 1, 3µm	10, 30, 100, 300ns, 1, 3, 10 µm
Range Settings	250m to 32km	250m to 208km
Data points	Up to 16,000	Up to 16,000
Data Point Spacing	0.25m (range ≤ 4 km) Range/16000 (range ≥ 8 km)	
Group Index of Refraction	1.4000 to 1.6000	
Distance Uncertainty	± (1+0.005% x distance + data point spacing)	
Trace File Format	Bellcore GR-196	
Trace File Storage Medium	Internal; thousands on Compact Flash or USB Flash Drive	
Trace File Storage Capacity	> 100 internal; thousands on Compact Flash or USB Drive	
Trace File Transfer to PC	USB Flash Drive Type 1.1, Compact Flash or Mini USB Cable with ActiveSync	

- M200-00-0900PR** 850/1300nm multimode and 1310/1550nm singlemode OTDR.....
- M200-11-0900PR** 1310/1550nm singlemode OTDR.....
- M200-12-0900PR** 850-1300nm multimode OTDR.....

- \$8840.00**
- \$5955.00**
- \$6245.00**

OFL 250 Handheld OTDR

The Noyes OFL 250 from AFL Telecommunications is a single-mode OTDR with an integrated Optical Power Meter, Laser Source, and Visual Fault Locator in a handheld package weighing only 1.7lbs. With short dead zone and mid-range 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.

Results are saved as industry standard .SOR files, which can be transferred to a PC for viewing, printing, and analyzing with the supplied Windows compatible software.



Features:

- Multiple-wavelength singlemode-OTDR
- 3.5" indoor/outdoor LED
- Tool-free, switchable adapters for OTDR & OPM ports
- Mini USB Port (Connect to PC with Cable)

OFL 250 Handheld OTDR Specifications:	
Safety Class	Class I FDA 21 CFR 1040.0 & 1040.11
Center Wavelengths	1310/1550/1625nm
Wavelength Tolerance	± 20/ ± 20/ ± 10nm
Dynamic Range (SNR=1)	26/26/26 dB
Event Dead Zone	1.5m
Attenuation Dead Zone	Typ.6.0m, Max. 6.5m
Pulse Widths	5, 10, 30, 100, 300ns, 1, 3, 10µm
Range Settings	250m to 256km
Data Point Spacing	0.25m (range ≤ 4 km) Range/16000 (range > 4 km)
Group Index of Refraction	1.4000 to 1.6000
Trace File Format	Bellcore GR-196 V.1.1
Trace File Storage Medium	Internal memory (>1000 traces)
OTDR modes	Full Auto, End Locate, Expert, Live

OFL2-26-0910PR	OFL 250 singlemode OTDR 1310/1550nm.....	\$4125.00
OFL2-26-0924PR	OFL 250 singlemode OTDR 1310/1550/1625nm.....	\$5575.00

OFL 200 Singlemode 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 a broadband, metro, access, and FTTH 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. The OFL 200 provides an integrated 650nm visual fault locator for short-distance troubleshooting and fiber tracing.

The fast change switchable adapter allows the OTDR to interface launch cables with a variety of connector styles. The OFL 200 can internally store up to 48 traces. Using the supplied serial cable, saved traces can be transferred to a PC for Archiving, printing, and analyzing with the supplied Trace600 Windows software. Test results are stored in Bellcore GR-196 version 1.1 format.



Features:

- Designed for field use
- Automatic, semi-automatic, & manual setup modes
- Locates reflective and non-reflective breaks
- Cursor and zoom controls to measure event loss, reflectance, and location

OFL 200 Singlemode OTDR Specifications:	
Emitter Type	Laser
Safety Class	Class I, FDA 21 CFR 1040.10 & 1040.11
Center Wavelength	1550nm 1625nm
Dynamic range	24 db @ 10µs, 3 min. test
Maximum fiber length	70km
Event dead zone	2m typical / 3m maximum
Attenuation dead zone	14m typical / 18m maximum
Number of data points	4000 on ranges ≥ 4km
Resolution	1m on ranges ≤ 4km / 4,000 on ranges ≥ 4km

OFL 200-1550	OFL 200 singlemode OTDR 1550nm.....	\$2879.00
OFL 200-1625	OFL 200 singlemode OTDR 1625nm.....	\$3840.00



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