TESTING SOLUTIONS

VISUAL FAULT LOCATOR (180XL)

- 7km range
- Used to identify macrobends, bent fiber, bad connector or broken fiber
- 650nm red laser light
- 1mW optical power
- Every technician needs one
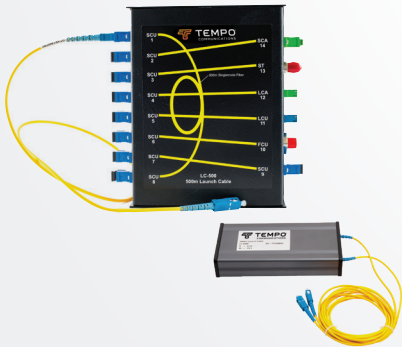
OPTICAL TIME DOMAIN REFLECTOMETERS (OTDR)

- 930XC-20C; most popular dual wavelength 1310/1550nm - SM
- 930XC-30F; triple wavelength 1310/1550/1625nm; 1625nm live fiber testing (out of band) - SM
- 930XC-30P; triple wavelength 1310/1490/1550nm; certifies PON installations at all wavelengths -SM
- 930XC-20M; dual wavelength 850/1300nm – MM
- Find distance to fault, loss events and characterize fiber links
- Free Trace Viewer software
- Macrobend testing
- Link Viewer display; shows each event with Pass/Fail indication

- OPM, VFL and stabilized laser source (SLS) standard with all models
- GR-196 compliant

OPM & SLS

OPM510
Optical Power Meter
(-65 to +10dBm)

OPM520
Optical Power Meter
(-50 to +27dBm)

SLS520
Dual Laser Source
(1310 & 1550nm)

SLS525
Dual LED Source
(850 & 1300nm)

SLS530
Triple Laser Source
(1310, 1490 & 1550nm)

SLS535
Triple Laser Source
(1310, 1550 & 1625nm)

SLS536
Triple Laser Source
(1310, 1550 & 1650nm)

- Optical Power Measurements (dB, dBm & mW)
- InGaAs detector for Maximum Sensitivity
- Absolute or Referenced Optical Power Measurements
- OPM Calibrated Wavelengths 850nm,
- 1300nm, 1310nm, 1490nm, 1550nm & 1625nm
- Tone Compatible at 270Hz, 1kHz and 2kHz
- SC, LC, FC and ST Interchangeable Bulkheads
- Ruggedized Package, IP54 compliant
- Compatible with Singlemode and Multimode Networks
- Auto Off or Continuous On Operation
- Battery or 120/240VAC Operation

FUSION SPLICERS

- 915FS Active Clad alignment – last mile installations where new fiber is typically used – better fiber geometries in newer fibers
- FSP200 Core Alignment - Designed to meet virtually any FTTx installation both indoors and out. Can also be used for P2P installations including back-haul, cellular and LAN.
- Uses splice on connectors (SOC)
- Loose tube splicing to SOC – Patent protected – only supplier of splicers that can do this
- ARC Calibration must be done before splicing session – online video
- Cleaning the splicer and cleavers is absolutely necessary – online video

LAUNCH CABLES

- LC-500 Universal- the technician will always have the right launch cable
- LC500, LC1000 and LC2000
- Reduce the effect of OTDR deadzone
- One required for troubleshooting
- Two required when characterizing a fiber link (need to be able to measure the IL and RL of the input and output connectors)
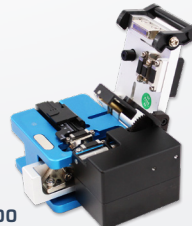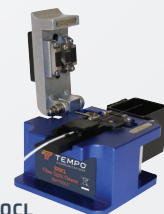
FUSION OPTIC CLEAVERS

- 915CL; auto return
- 920CL; used in conjunction with mechanical connectors
- FCL200; auto fiber end cut collection

915CL   **FCL200**   **920CL**

MICRO OPM

- OPM210 +6 to -70dBm (Telco) range
- OPM220 +26 to -50dBm (CATV) range
- Integrated VFL, 0dBm Class 2
- Integrated white LED for viewing in dimly lit locations
- Measure absolute optical power (dBm)
- Measure relative power - loss testing (dB)
- Calibrated wavelengths: 850, 1300, 1310, 1490,1550 and 1625nm
- Every technician needs one

OWS200

- Measure overlayed optical signals in 1G, 10G and PON networks
- Eliminates the need to buy an expensive DWDM or CWDM OPM
- OWS 201 (1490nm/1570nm)

DROP FIBER ENCLOSURE KIT

- Repair damaged fibers
- Demarcation point
- Splice enclosure for network installations
- IP68 rated
- Re-enterable
- Accommodates up to 14 fibers
- Individual gaskets for 8.1, 5.4 and 5.1 mm and 3.0mm, 5.1mm round cable
- Two port pass in-line and butt style
- Four port

MECHANICAL CONNECTOR
SC/APC and SC/UPC
3mm, 900 micron and 250 micron

- Low insertion loss ≤ 0.2dB
- Return loss ≥ 55dB
- Assembly time < One Minute
- No epoxy or crimping

FIBER TOOL KITS

FTK-B
Basic Fiber Tool Kit
FTK-P
Pro Fiber Tool Kit

FTK-PP
Pro Plus Fiber Tool Kit
FTK-T
Termination Fiber Tool Kit

- FTK-B - A basic tool kit allows the technician cut, strip and prepare fiber optic cables for termination
- FTKB Pro - Same tools as the FTB but with a 180XL Visual Fault Locator (VFL) to visually locate faults and to test mechanical connectors.
- FTKB- Pro Plus- Same tools as the FTB but with a Micro OPM which has an Optical Power Meter (OPM) and Visual Fault Locator (VFL). The OPM can be used to measure optical power, perform loss testing and to sense tones present on the fiber. The VFL can be used to visually locate faults and to test mechanical connectors.
- FTKB- Termination - Contains all of the tools needed to terminate fiber optic cables with a mechanical connector

FIBER OPTIC HANDTOOLS

ProGrip 5 in 1 Stripper
PA1171

ProGrip 3 in 1 Stripper
PA1177

Universal Slitter
PA1822

Economy Kevlar Cutter
PA1511

Economy Fiber Optic Stripper
PA1162

Mid Span Slitter
MSS100

Ring and Slit Stripper
TCCPS

8.1mm Drop Cable Stripper
TCDCS

LC & SC Connector Removal Insertion Tool
TCEXT

CLEANING TOOLS

Fiber Optic Reel Cleaner
REEL-CLN

1.25mm Cleaning Swab
1.25 SWAB

2.5mm Cleaning Swab
2.5 SWAB

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