



FIBER SOLUTIONS

OTDR

OPM

OLS

VFL

OSA

ORL

OLTS

FIBER SCOPE



Fiber Product Solutions

VeEX® offers a complete set of Test and Measurement solutions for Business Services, Access, Metro, Core, Transport and Fiber networks. VeEX's optical test solutions are optimized for today's FTTx, GPON, DWDM, CWDM and Metro networks and are well suited for the challenging outside plant environment. The fast growing optical product range complements existing VeEX Transmission and Ethernet testing solutions.

OTDRs / FAULT LOCATORS

FX300 OTDR

OTDR

OPM

OLS

VFL

OLTS

The VePAL FX300 is a full featured Optical test solution for technicians installing, testing, troubleshooting and restoring FTTx/PON, mobile backhaul, and related converged network infrastructures.

Features

- Multimode and Singlemode wavelength test options - 850, 1300, 1310, 1490, 1550, 1625 and 1650 nm
 - Filtered OTDR port for in-service measurements and live fiber detection with embedded power meter
 - High dynamic range (up to 45 dB) for long haul fibers and testing through high-port-count PON splitters
 - Built-in launch fiber for high resolution FTTA applications
 - Sampling points up to 128,000
 - Event dead zone < 1 m, Attenuation dead zone < 5 m
 - Telcordia GR-196/SR-4731.sor formats
 - Intelligent link mapping (multi-pulse widths, multi-wavelength) with event table and intuitive icons
 - Optional Built-in Visual Fault Locator, Optical Power Meter and Light Sources
 - Optional Fiber Inspection Scope (USB)
- Compatible with Fiberizer Cloud-based trace analysis and data management



Hardware

- High resolution, 7" full color TFT touch-screen viewable in any lighting condition
- Connectivity via 10/100Base-T Management interface, WiFi, Bluetooth or 3G Card for back office applications
- Built-in microphone and speaker for VoIP and VF applications

TX300s with OTDR Option

OTDR

OPM

OLS

VFL

Optical and Multi-Service Test Platform

The VePAL TX300s OTDR option combines the functionality of the FX300 and the power of the TX300s multi-service tester. Together with Advanced OTN, SDH/SONET, PDH/DSn, Ethernet, Fibre Channel, and Synchronous Packet Networks support, the unit offers a complete network test solution from physical layer up to higher layers of multi-service performance testing.



SunLite OTDR+

OTDR

OPM

OLS

VFL

Handheld Mini OTDR

The SunLite OTDR+ is a handheld mini OTDR optimized for the installation and troubleshooting of FTTx, PON, CATV, Mobile Backhaul, and Metro fiber networks. The unit is perfectly suited to address the portability and space constraints typical of overhead CaTV cable routes, curbside FTTx cabinets and manholes. Power meter, light source fiber inspection probe, and VFL test options add versatility to the unit.

Features

- High resolution, 3.5" TFT color touch-screen
- Intuitive display, simple function keys and touch-screen for easy operation
- Continuous operation of > 9 hours exceeding Bellcore TRNWT-001138 recommendations
- Multimode and Singlemode wavelength test options - 850, 1300, 1310, 1490, 1550 and 1625 nm



RXT-1200

OTDR

OPM

OLS

VFL

OSA

Modular Platform

Exceptional modularity and an open platform concept is what defines the RXT as the test set of the future. The unit's capability to support multiple technologies maximizes the productivity of technicians who are responsible for the installation, verification, and maintenance of today's diverse and complex services.



OTN, SDH/SONET, Ethernet, CPRI/OBSAI, Fibre Channel and Synchronous Packet Networks utilizing optical fibers can easily be verified with a single test platform ensuring maximum test productivity.

RXT with OTDR Module

OTDR

OPM

OLS

VFL

Fiber Optics Test Module



The RXT-4100 Fiber Optics test module for the RXT-1200 platform features a range of Optical test functions including OTDR, OPM, Light Source and VFL. Several CWDM OTDR modules are available to test CWDM networks at ITU-T defined wavelengths.

Features

- FTTx/PON optimized parameters for best-in-class dead zones for 1xN splitters and normal reflective events
- Multimode and Singlemode wavelength test options - 850, 1300, 1310, 1490, 1550, 1625 and 1650 nm including CWDM spectrum
- Filtered 1625 nm OTDR port for in-service measurements and live fiber detection with embedded power meter
- High dynamic range (up to 45 dB) for long haul fibers and testing through high-count PON splitters
- Telcordia GR-196 and SR-4731.sor file formats
- Intelligent link mapping (multi wavelengths, multi pulse widths) with intuitive icons
- Optional Built-in Visual Fault Locator, Optical Power Meter and Light Sources
- Optional Fiber Inspection Scope (USB)

OPX-BOX OTDR

OTDR

OLS

VFL

RFTS

The OPX-BOX is an ultra-compact OTDR designed to operate with Fiberizer desktop PC, mobile or Cloud software. Controlled via USB or Bluetooth connection from iOS and Android smart phone or tablet devices, this versatile OTDR offers complete flexibility in multiple test environments. The OPX-Box can also be controlled by VeEX V300 series testers that have no optical test functions fitted.



Features

- Ultra-compact OTDR with Bluetooth wireless and USB control
- Up to 42 dB Dynamic Range and 1/4m Dead Zones
- Optional Light Source (via OTDR port) and Visual Fault Locator (VFL)
- Multimode and Singlemode wavelength test options - 850, 1300, 1310, 1490, 1550, 1625 and 1650 nm

FIBERIZER™ OTDR SOFTWARE / OPTICAL SPECTRUM ANALYSIS

Fiberizer Desktop

Fiberizer Desktop is a standalone PC software application to analyze OTDR traces. Users can edit traces manually, create event tables, generate reports using built-in templates and much more. This viewer displays trace files conforming to Telcordia (Bellcore) GR-196 & SR-4731 *.sor formats. It also supports batch processing, a useful feature for analyzing multiple fibers in a single cable. The software does not require Internet access to operate, but it can be interfaced with Fiberizer Cloud web service at any time.



Fiberizer Cloud

Fiberizer Cloud, powered by Optixsoft, not only empowers the OTDR, but also the Workforce. Revolutionizing traditional OTDR reporting methods, this cloud-based solution forms an integral part of VeEX's VeSion Eco-System. Superior centralized test data management including powerful web based trace analyses are all possible via one unified software architecture. You can work from virtually anywhere, at anytime because Fiberizer Cloud is a full online web service.

Streamlining Onsite Data Reporting

Fiber technicians and contractors tasked to validate new fiber installations or restoring cable routes after an outage are generally obliged to submit measured data (.sor files) and related documentation to the network operator as proof of delivery before being paid. Valuable time however is often wasted after the onsite work is completed, because critical test files are usually first stored to some local storage media before being transferred to a colleague via email for verification and further reporting.

Fiberizer Cloud streamlines this information exchange, eliminating costly paper, e-mail or other time consuming communication methods - instead, time wastage can be avoided by transferring traces of jobs completed directly from the OTDR to Fiberizer Cloud. Professional PDF or MS Excel reporting functionality is also available, and users can create their own templates for reports. Bi-directional analysis of OTDR traces, tested from both ends of the optical fiber, can also be performed.



Mobile Connectivity

Pair any VeEX OTDR via Bluetooth to a mobile Smartphone, Laptop or Tablet PC and efficiently upload test data directly to the Cloud server using any available wireless technology (WiFi, 3G or LTE).

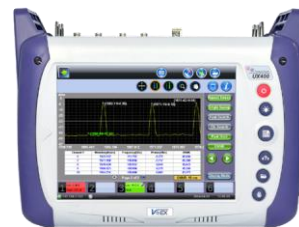
Total Compatibility

Based on Microsoft Silverlight technology, Fiberizer Cloud is compatible with Windows, MacOS, and Linux browsers, not limiting users to PC platforms only. OTDR trace files in Telcordia (Bellcore) GR-196 & SR-4731 *.sor formats are securely transferred via HTTPS connection, a fast reliable communication protocol commonly used in today's Internet applications. Another outstanding feature is compatibility with other OTDR vendor trace data formats, so users can reference or compare other OTDR traces and vice versa.

RXT and UX400 with OSA Module

OSA

CWDM and DWDM Testing



Employing superior micro-optic design and MEMS tuning technology, RXT and UX400 OSA test modules measure key optical parameters such as wavelength, channel power, and OSNR in CWDM and DWDM networks.

Common Features

- S, C and C+L band wavelength ranges
- Fast scanning - full spectrum in < 5 s
- Simultaneous measurements of up to 160 channels
- DWDM channel spacing down to 50 GHz
- Channel power measurement
- Span power measurement
- High wavelength accuracy: ± 50 pm
- Continuous sweep with min/max hold
- Channel frequency and wavelength delta vs. ITU grid
- In-band OSNR measurement
- High dynamic range: > 50 dB
- OSNR measurement: > 35 dB
- Supports 10/40/100 Gbps modulation schemes

VeSion Eco-System - Fiberizer



OPTICAL TOOLS / FIBER INSPECTION

FX10 Pen Style Visual Fault Locator

VFL

Features

- Continuous on or 2 Hz on/off
- Output power: 1 mW / Distance: 5 Km
- Wavelength: 650 nm \pm 20 nm
- Connector: 2.5 mm universal
- Battery: 2 Alkaline AA



FX40 Optical Series

OPM

OLS

ORL

OLTS

Features

- Singlemode and Multimode testing
- PON, Telecom, CATV and LAN/WAN applications
- Dual wavelength laser source and power meter
- OPM, OLS, ORL, OLTS configurations
- High accuracy and wide dynamic range
- Save OPM test results (> 1000 results)
- Transfer stored results to a PC via USB for analysis, report generation, printing and Cloud upload
- Reference power level setup and recall
- Frequency detection for fiber identification
- Wave ID automatically detects incoming wavelength from compatible FX40 OLS or other VeEX light source
- ORL testing with calibrated power meter coupled internally to fiber on light source port



FX50 Optical Loss Tester

OPM

OLS

ORL

OLTS

Features

- Laser source (up to 4-wavelengths) with power meter (6 calibrated wavelengths)
- ORL Meter and separate calibrated power meter for bidirectional testing
- High power InGaAs Photodiode with large sensitive area (1000 μ m) integrated into the front panel adaptor
- Frequency detection for fiber identification
- Interchangeable optical adaptors for Power Meter and Light Source
- Extremely rugged, pocket-sized form factor
- Extra long battery life
- Client USB software for data transfer and remote control



UPM 100 Optical Power Meter with USB

OPM

Compact size and convenient "plug and play" configuration make the UPM100 the perfect tool for loss testing at any location - simply plug it into your computer or tester's USB port and start testing. Compatible with VeEX Image Management Software (IMS), the unit transmits a continuous stream of data, refreshing every second to ensure the most accurate readings possible. Users can save test data based on carrier or build-specific guidelines, while results displayed in red or green quickly identify acceptable or non-compliant loss measurements. The UPM 100 is fully compatible with the VeEX VePAL 300 series test sets and IMS applications, allowing for wireless inspection and testing with a smartphone or tablet.

- Transmit live dB loss readings via USB
- Compact size; fits in your pocket
- Plug-and-play design – no drivers or installation necessary



DI-1000 Digital Fiber Inspection Scope with USB

The VeEX DI-1000 digital video fiber scope is a portable fiber optic connector inspection tool used to monitor the cleanliness of the connector's surface. It is easily configured for inspecting patchcords or panel adapters fitted with standard or angled polished connectors. When equipped with optional WiFi dongle and Free companion application software for a Smartphone or Tablet, users can automatically analyze connectors according to IEC 61300-3-35 or user defined standards. This includes the ability to view, save, recall and share results via email or other mobile applications.

- Easy operation and quick dial focus adjustment
- IEC 61300-3-35 and user-defined pass/fail limits
- Automatic analysis of fiber connector endface
- Interchangeable tips for male and female, standard or angled connectors
- Compatible with iPhone/iPad iOS7 and Android 2.3 versions and later
- Free Smartphone/Tablet App downloadable from VeEX website



VIS 400D Digital Fiber Inspection Scope with USB

The VIS 400D fiber inspection scope measures the acceptability of optical connector end faces, delivering precision and convenience in one easy-to-use, cost-effective package.

- High-definition image sensor
- Unique external focus system
- White light source
- USB 2.0 No external A/D converter required

