RXT-4100+

OTDR Modules

The RXT-4100+ Fiber Optics test module is the world's first field portable OTDR to offer up to 500,000 data points with 3 cm resolution. The RXT-4100+ OTDR modules feature a range of Optical test functions including OTDR, OPM, Light Source and VFL. Multi-protocol OTN, SDH/SONET, Ethernet, Fibre Channel and Synchronous Packet Networks utilizing optical fibers can easily be verified as well as OSA testing on CWDM/DWDM network with a single test platform ensuring maximum test productivity. Fiberizer® software for Windows® Desktop, Android™, and/or Apple® mobile devices is available to assist in data transfer, record management, and report generation for various VeEX fiber optics testers. View the Fiberizer webpage for more details.

HIGHLIGHTS

Software
- Flexible modular architecture supports multiple technologies and applications
- ReVeal™ PC software to maintain instrument firmware, manage test configurations, process measurement results and generate customer test reports
- Fiberizer Desktop PC software for fiber trace analysis
- Fiberizer Cloud based trace analysis and data management
- R-Server support for centralized work force management and test results repository

Software
- 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
- Intelligent fan operation with built-in temperature sensor
- Interchangeable Li-ion battery pack for extended test time
- USB-A Interface for USB flash drives and fiber inspection probe connection
- Optional built-in GPS module for Geotagging OTDR traces

KEY FEATURES

Optical Testing
- Multimode and Singlemode Wavelength options - 850, 1300, 1310, 1490, 1550, 1625 & 1650 nm
- Filtered 1625 or 1650 nm OTDR port for in-service measurements
- OTDR ports feature live fiber detection
- High dynamic range for long haul fibers and testing through high-count PON splitters
- Sampling points up to 500,000 (RXT-4100+)
- FTTx/PON optimized test parameters for best in class dead zones
- Event dead zone < 1m, Attenuation dead zone < 4m
- Telcordia GR-196 and SR-4731.sor file formats
- Optional V-Scout/V-Profile mode – Intelligent Link Mapping using intuitive icons derived from multiple test acquisitions
- Optional Built-in Visual Fault Locator
- Optional Optical Power Meter with WaveID detection
- Optional Light Sources with WaveID and Loop mode
- Optional Fiber Inspection Scope (USB)
- Upload OTDR traces, OLTS results and Fiberscope images directly to Fiberizer Cloud
- Built-in G.657 launch fiber
- Universal 2.5 mm optical interfaces with inter-changeable optical adaptors (SC/FC/ST/LC)