RXT-4113+

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xWDM OTDR Series Modules

The new RXT-4113+ is our latest generation xWDM OTDR module. Users can now select CWDM, DWDM, combo CWDM+DWDM or DWDM+Legacy optical configurations. Advanced hardware and powerful software supports the testing of both xWDM, Grey optics and single stage PON network architectures. Precise wavelength tuning, 3 cm resolution and up to 500,000 data points offers unprecedented network characterization.

PLATFORM HIGHLIGHTS

2024 LIGHTWAVE 4.0 INNOVATION REVIEWS

Software

- Advanced software architecture supports multiple test applications
- VeExpress™ Cloud or Enterprise versions to maintain instrument firmware and manage test options or inventory
- EZ Remote software for flexible remote control and software upgrade
- Fiberizer® Desktop+ PC software for advanced trace analysis and report generation
- Fiberizer Cloud trace analysis and data management
- VeSion® R-server compatibility for centralized work force management and test results repository
- Optional fiber inspection scope (USB) with single or multi-fiber (MPO/MTP®) support

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/LTE 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, USB wireless dongles and fiber inspection probe connection
- Optional built-in GPS module for Geotagging OTDR traces

KEY FEATURES

Optical

- CWDM wavelengths per ITU-T G.694.2 (8, 10, or 18 channels)
- DWDM wavelengths per ITU-T G.694.1 (C-band, 1529.55 to 1563.86 nm, Channel #s 17-60) in 50, 100 or 200 GHz steps
- Optional extended channel 14-62 available
- TEC laser stabilization for hot and cold weather conditions
- Built-in DWDM wavelength locker with ±2.5 GHz stability
- Legacy wavelengths include 1310, 1550 and 1625 live testing
- Sampling resolution up to 500,000 points
- Event dead zone <0.85 m, attenuation dead zone <3.5 m
- High dynamic range for long haul fibers and testing through xWDM Mux/demux
- Telcordia GR-196 and SR-4731.sor file formats
- Optional V-Scout mode – Smart Link Mapping using intuitive icons derived from multiple test acquisitions
- Optional CWDM/DWDM/Legacy Light Source via OTDR port
- Optional broadband Optical Power Meter
- Optional VFL 650 nm light source
- Built-in G.657A2 launch fiber to characterize OTDR connections and short fiber spans
- Fixed connector or universal 2.5 mm optical interface with inter-changeable optical adaptors (SC/FC/LC)