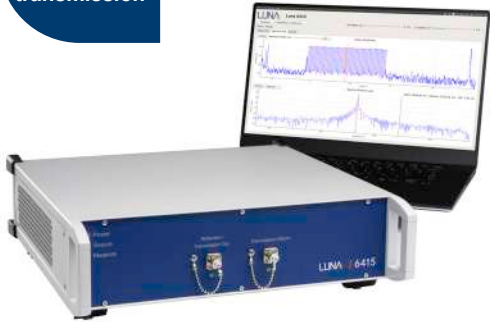


THE  
**EDGE**

Optical Edition

Top Trending  
Products in  
2019 / 2020

Works in both reflection or transmission



## 6415 OFDR

### Lightwave Component Analyzer

- Spectral analysis of Return loss (RL) and insertion loss (IL)
- Trace distributed RL over length of optical path
- Detect, locate reflective events and measure path length
- 20  $\mu\text{m}$  sampling resolution, 20 m measurement range
- 6 Hz scan/acquisition



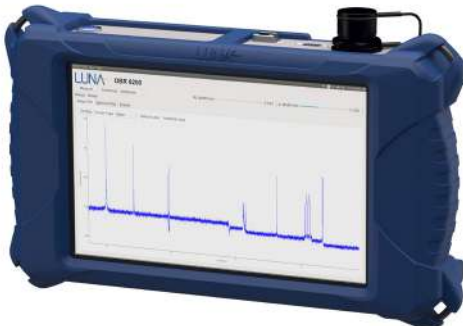
## OVA 5000

### Optical Vector Analyzer

- All-parameter linear characterization of single-mode optical components in a single scan
- Component characterization of dispersion compensation modules, AWGs, Fiber Bragg Gratings
- IL, RL, PDL, phase response, GD, CD characterization
- PMD / Second Order PMD, Min/Max Loss due to Polarization
- High resolution C and L band or O band capability



NEW!



## 6225

### Portable Optical Backscatter Reflectometer

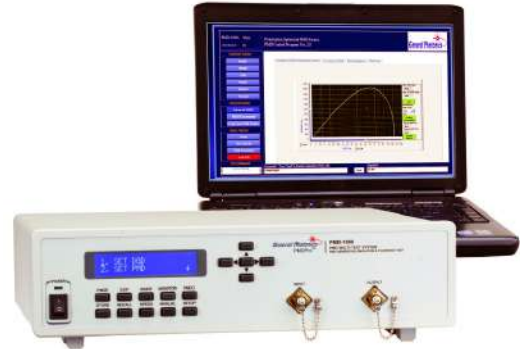
- Trace distributed RL over length of an optical path with ultra-high spatial resolution
- Measures distributed RL and IL with excellent accuracy
- Detects and precisely locates reflective events
- Measures optical path length with high precision



## PMD-1000

### Polarization Mode Dispersion (PMD) Source

- Precise 1st order PMD up to 180 ps and 2nd order PMD up to 8100 ps<sup>2</sup>
- Fastest on the market with a switching time of 1 ms
- Provides a uniform coverage of the PMD space
- PMD emulation: generating statistical PMD distributions
- Variable rate scrambling, deterministic polarization control



## PSY-201

### Polarization Synthesizer/Analyzer

- Generates and maintains any state of polarization, regardless of the input SOP
- Both an SOP generator and a polarization analyzer
- Able to function as a polarization scrambler
- Up to 4M samples/s, 1 MHz analog bandwidth, 45 dB input power dynamic range



## MT1000A

### Network Performance Visibility

- Compact, rugged battery-powered design
- Supports testing from 1.5 Mbps to 100 Gbps
- Excellent expandability and operability for 10/100 G, OTDR and CPRI tests
- 5G base-station interface eCPRI/RoE, delay measurements and time synchronization tests
- Configurable with various transport testing functions and OTDR modules



Over 20  
Modules  
Available



## PXIe Modules

### PXIe Optical Test Modules

- Portfolio of PXIe compliant mixed-signal modules
- Optical instruments: spectrum analyzers, power meters, and tunable laser sources
- Optical cards: attenuators, switches, O-E converters, velocimeters, component storage and component integration
- PXIe chassis and controllers also available



## MatrIQ

### Ultra-Compact, High-Performance Optical Instruments

- Available units: tunable laser source, OSA, O2E, switching, amplifiers and more
- Simple, intuitive operation and plug and play with USB & Ethernet connectivity
- Full control with SCPI and LabVIEW drivers



## Phoenix



### Tunable Laser

- Designed for low noise and highly linear swept performance
- Full C-band tunability
- Industry-leading wavelength accuracy and resolution
- Integrated wavelength and power monitors

Anritsu

MS9740B

### Optical Spectrum Analyzer (OSA)

- Active optical component and module analyzer
- 600 nm to 1750 nm wavelength support
- Wide dynamic range of >58 dB, -90 dB lowest optical sensitivity
- Maximum measurement processing time\*2 of 0.35s (sweeping 30-nm wavelength)
- 30 pm minimum resolution
- +/- 20 pm wavelength accuracy

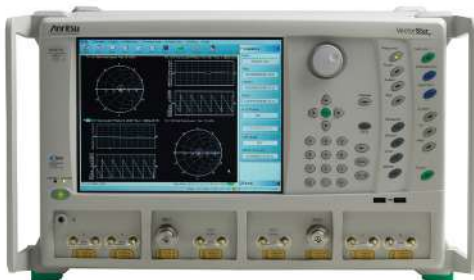


Anritsu

ME7848A

### Opto-Electronic Network Analyzer (ONA)

- Error-corrected transfer function, group delay, and return loss measurements
- Specified, traceable measurements of O/E, E/O, and O/O
- Compatible with devices operating at 850, 1310, and 1550 nm at 40 and 70 GHz
- Thermally stabilized photodiode calibration reference detector eliminates drift over temperature



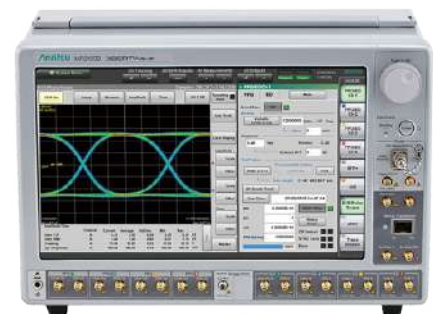
Anritsu

BERTWave 2100B

### BERT & Sampling Oscilloscope

- Provides simultaneous 4ch BER measurements with eye pattern measurements
- Supports optical module/device measurements up to 100 Gbit/s
- High-quality waveform PPG (1 ps rms Jitter)
- Optical attenuator and switch modules available to complete system

BERT +  
Sampling  
Oscilloscope





OMA



### Optical Modulation Analyzer

- Coherent optical receiver is integrated with LeCroy LabMaster 10 Zi oscilloscope
- Up to 65 GHz and up to 130 GBaud
- Software controls both instruments for seamless operation
- DP-QPSK, DP-16QAM, and other PSK and QAM formats
- Support for custom modulation formats



### IQTransmitter

40 GHz

#### Optical Modulation Transmitter

- Generate and control phase modulated optical signals
- 11 GHz to 40 GHz BW with support for up to 80 GBaud
- Ideal for 600 Gbps based on 56 GBaud 64QAM modulation format
- Perfect for M-QAM, M-PSK and custom modulation formats



### O/E Converter

#### Optical-to-electrical Converter

- 25 GHz of analogue electrical bandwidth
- Ideal optical front-end for high-speed multilevel intensity modulated optical signals
- Allows a choice between DC or AC coupled per application
- Provides a variable gain amplified RF output
- On-board storage for calibration data





## ODISI 6100

Up to 8 Channels

### Multichannel Optical Distributed Sensor Interrogator

- Multichannel measurements of strain and temperature
- Measure anywhere along fiber as opposed to discrete TCs or strain gauges
- Passive, corrosion resistant, dielectric, flexible sensors
- Configured with 1, 4 or 8 active measurement channels



## Micron Optics Hyperion si255

### Optical Sensing Interrogator

- Measure up to 1000 sensors on 16 parallel, 160 nm wide channels
- Rapid full-spectrum data acquisition and flexible peak detect of (Long Period) FBG and FP sensors
- High-performance on-board DSP and real-time FPGA processing
- Low-latency access to data for closed loop feedback applications



## testforce Education Services

### Grant Application Support

- Several years of experience working with universities and colleges
- Extensive knowledge of various Canadian grants including CFI, NSERC, and RTI
- In-kind contributions provided by Testforce and various suppliers
- Specifications and documentation to help support grant proposals
- Local Technical Account Managers to facilitate training and on-site learning





Being a leading Canadian supplier of test and measurement products for a wide variety of optical applications, Testforce Compliance and Connectivity specializes in helping determine the best solution to the most complex applications. Our Technical Account Managers have extensive experience in the optical industry, and understand the technical, business, and financial challenges which are unique to this field. We will work with your team to come up with a practical solution from the leading test and measurement OEMs around the world.

Whether characterizing optical components for signal integrity, or measuring BER to maximize throughput, Testforce Compliance and Connectivity has exactly what you need with accurate and robust equipment, which provide consistent and repeatable results. Our Technical Account Managers will also ensure that your instrument is functioning properly and has all the correct accessories and options such as cables, connectors, calibration kits, amplifiers and switches.

Having the best equipment is only part of the solution. Knowing how to use the tools maximizes the effectiveness of a team. We stand behind the products we sell by providing training to your team either through on-demand training and webinars, or on-site training.



Optical Spectrum Analyzers, Network Analyzers, Time-Domain Reflectometers & More



Optical Tunable Lasers, Attenuators, Power Meters, O-E Converters, Modulation Analyzers



Optical Instruments, Components, Modules, Coils



Optical Component Analyzers, Reflectometers, Distributed Sensing, Tunable Lasers



Optical Modulation Analyzers & More

**Additional resources available on the website:**

**White Papers**

**EMC Experts Guide**

**Power Experts Guide**

**THE SIGNAL e-Guide**

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