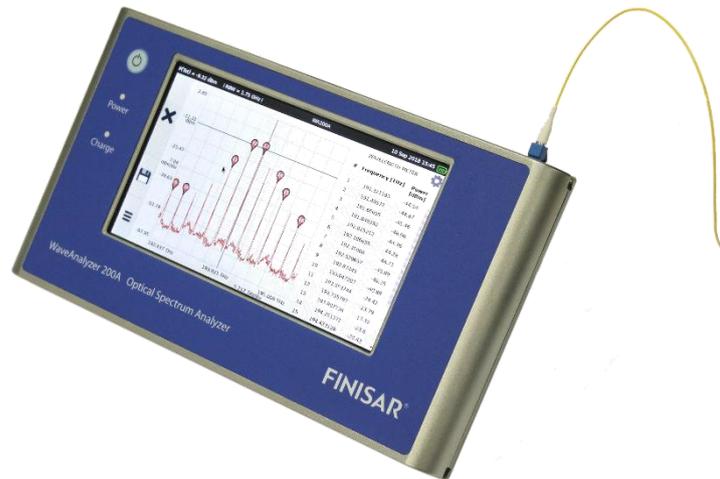


CONTENT

- ▶ **WaveAnalyzer 200A Portable OSA**
- ▶ **High Speed Detectors**
- ▶ **Trade Show Events:** Visit us in the USA, China, Japan and Germany!

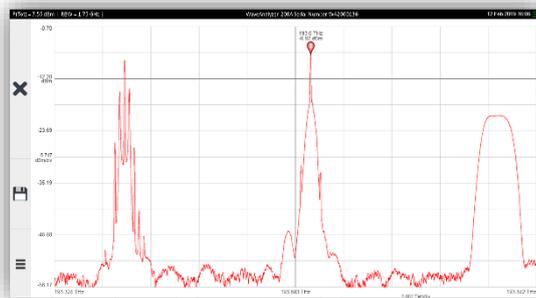
NEW! WaveAnalyzer 200A Portable OSA

Finisar is pleased to introduce a new member of the WaveAnalyzer™ family: the WaveAnalyzer 200A Portable Optical Spectrum Analyzer. This battery-powered portable unit provides fast, high resolution optical



spectral analysis capabilities which are unmatched in commercially-available portable test instruments. Designed for spectral measurements on advanced optical communication systems, the WaveAnalyzer 200A measures across the entire C band with a resolution bandwidth of 15 pm

(1.75 GHz) and a measurement update rate of more than one measurement per second.

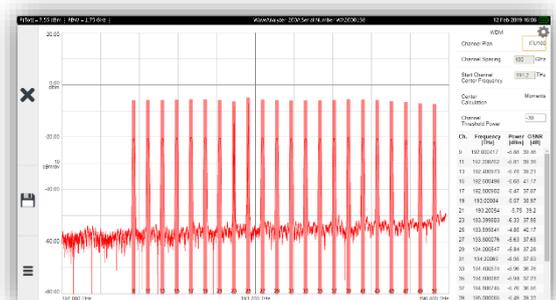


WaveAnalyzer 200A display showing high spectral resolution on DWDM signal

The instrument is operated using Finisar's established WaveAnalyzer Graphical User Interface – implemented on a large

touch-screen – which provides a range of analysis functions including Optical Signal to Noise Ratio (OSNR) measurement and WDM analysis.

Measurement data can be stored on a USB Memory Stick or uploaded to a computer for further analysis via the in-built Ethernet port.



WaveAnalyzer 200A showing WDM Analysis Capability

WaveAnalyzer 200A Compact OSA (continued)

A full programming interface is provided for integration into automated test systems. The unit's inbuilt rechargeable Li-Ion batteries support more than 3 hours of continuous operation.

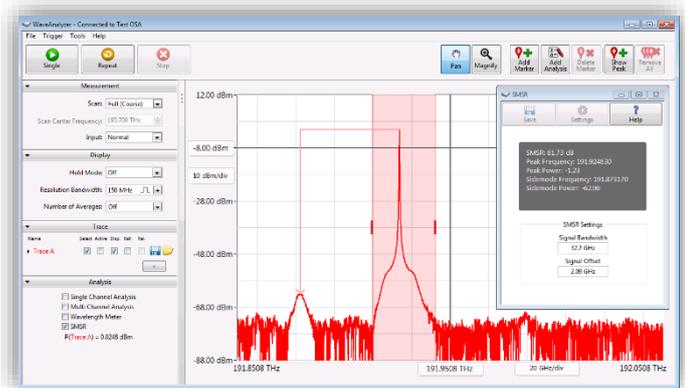
The WaveAnalyzer 200A will be demonstrated at OFC and is available for delivery in Q2 2019.

WaveAnalyzer GUI 1.8.0 available for download!

The new WaveAnalyzer Graphical User Interface release 1.8.0 is available for download from

https://www.finisar.com/sites/default/files/resources/waveanalyzer_1.8.0.zip

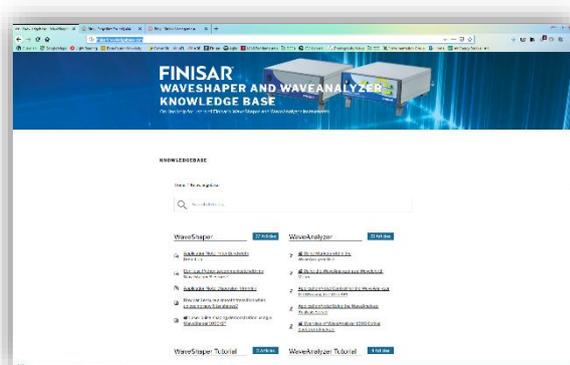
As outlined in the previous newsletter, this release includes significant usability improvements as well as a new Side-Mode Suppression Ratio (SMSR) Measurement Capability.



WaveAnalyzer GUI 1.8 showing SMSR Measurement Capability

Knowledgebase Update

The WaveShaper and WaveAnalyzer Knowledgebase continues to expand



and now contains a full set of Application Notes as well as video tutorials covering basic and advanced functionality of the WaveShaper and WaveAnalyzer instruments. The knowledge base also contains a search

capability to make it easier to find the information you're looking for.

Check out the new features at www.finisarknowledgebase.com.

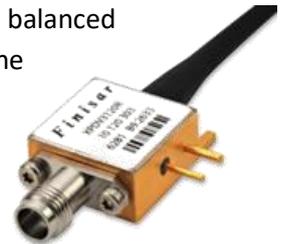
High Speed Detectors

Enhanced 70 GHz Photodetectors are now available

Finisar has enhanced the specification of their well proven 70 GHz products, now supporting dual wavelength windows applications in the O- and C-Band. The products can now be ordered.

The XPDV3320R comprises an optimized 70 GHz waveguide-integrated photodiode, which shows an extremely flat frequency response, both in power and in phase. Finisar's on-chip integrated bias network with an optimized RF-design in particular ensures an undisturbed frequency response from DC to the 3 dB cut-off frequency and saves costs for external bias-tees. The module is especially designed for use optical windows at 1310 nm and 1550 nm and optimal RF-performance; therefore, the pulse response reveals virtually no ringing. It is ideally suited for Test & Measurement or Microwave Photonics applications up to 60 GHz.

The balanced photodetector consists of two optimized 70 GHz, waveguide-integrated photodiodes on one single chip with a Responsivity of typically 0.45 A/W @ 1550 nm. The configuration as a single balanced photodetector ensures an excellent uniformity of the paired photodiodes and is biased via integrated biasing network. Due to optimized combination of waveguide and PD design, even at high optical powers, a linear frequency response can be guaranteed at both 1310 nm as well as 1550 nm. The integrated 50 Ω termination allows an excellent match of the electrical output signal. Tailored configurations are available, such as BPDV dual pair -and quad sets, including connector customization and fiber matching to enable coherent detection.



High RF Output Power Photodetectors

Finisar's unique high RF output power detectors are getting more popular. The HPDV2120 detector is offering function up to 50 GHz and exhibits a high RF output power of up to 6 dBm @ 20GHz, high linearity with typical OIP3 values well above 20 dBm at frequency of 40 GHz. A responsivity of around 0.5 A/W and high saturation photocurrent of 3 mA@20 GHz fit requirements of Radio over Fiber or Microwave Photonics applications. Finisar's highest RF output power detector, the VPDV2120 offers high bandwidth up to 20 GHz and exhibits an RF output power of up to 23 dBm @ 10 GHz. At a Responsivity of around 0.55 A/W it is capable of photocurrents up to 120mA and offers high linearity with OIP3 values above 30 dBm.

Please contact your local sales for more information, quotes or technical support.

Tradeshaw Events

Finisar participates in various trade shows around the world to meet with users of lab (test) equipment. Please come meet us at these upcoming events.

OFC 2019, San Diego, USA (March 5 to 7)

Finisar will be exhibiting at OFC booth 3713 at the San Diego Convention Center, San Diego, California, USA. The product demonstrations will include the following solutions and concepts from the test instrument group:

- The newly introduced **WaveAnalyzer 200A Portable Optical Spectrum Analyzer** will show measurements of WDM signals.
- The WA16000A Series A WaveShaper will demonstrate filtering and mux/demux capability as well as multicasting up to 16 ports.
- The WaveAnalyzer 100S and 1500S Optical Spectrum Analyzers will be demonstrated with the new WaveAnalyzer GUI package 1.8.0.

For more information about OFC, visit www.ofcconference.org.

Laser Shanghai, China (March 20 to 22)

Finisar will be joining sales partner Luster at the Laser World of Photonics exhibition in Shanghai, China from March 20 to 22 at booth W3 3535. The Finisar Test equipment portfolio including WaveShaper and WaveAnalyzer will be demonstrated.

Laser EXPO, Yokohama, Japan (April 24 to 26)

Finisar will join the Japanese sales partner Sevensix at the Laser EXPO exhibition in Yokohama, Japan from April 24 to 26 at booth A-31. The Finisar Test equipment portfolio will be displayed.

Laser Munich, Germany (June 24 to 27)

Finisar will exhibit at the Laser World of Photonics exhibition in Munich, Germany from 24 to 27 June. Please come and visit us to discuss your laser filtering and pulse-shaping requirements, particularly for psec and fsec laser pulse shaping. The Gratings and Diffractive Optical Elements (DOE) product line from Lightsmyth, and the High Speed Detector family from Finisar will also be on display.