For Immediate Release
September 16, 2002
Tucson, AZ

Press Release

NP Photonics Unveils Optical Spectrum Analyzer Engine

Compact, Easy-to Integrate Engine Facilitates Design of Precision Handheld Optical Test Instruments

NP Photonics (Tucson, AZ) has unveiled the TFM2000-OSAENG, a compact Optical Spectrum Analyzer (OSA) engine designed for integration into portable optical monitoring instruments and automated optical manufacturing equipment.

"We've combined our high-finesse Compliant-MEMS Fabry-Perot filter with a high-sensitivity power detector and an onboard wavelength calibrator on a single card," said Chuck Chandler, president and CEO of NP Photonics. "The result is a compact optical spectrum analyzer engine that provides test and measurement equipment designers with the ability to develop handheld instruments that have precision similar to benchtop instruments."

The TFM2000-OSAENG measures 110 mm x 110 mm x 20 mm and performs highly accurate power and wavelength measurements across the C-Band with minimal power consumption.

Other features include the SCPI command language, which allows straightforward integration into special purpose, automated manufacturing and fiber sensor equipment. The powerful, yet easy-to-use command language saves engineers time when programming instruments and simplifies the maintenance of test programs.

The TFM2000-OSAENG features a wavelength accuracy of ± 25 pm, an absolute power accuracy of ± 0.5 dB, and a relative power accuracy of ± 0.2 dB. It has a power range of –70 dBm to +10 dBm. Operating temperature range is 0 °C to 50 °C. Power requirements are +15V, -15V and +5V.

The TFM2000-OSAENG also includes an RS-232 interface and single mode optical input. It reports 65536 data points and has a minimum scan time of 0.5 seconds. The resolution bandwidth is 20 pm (FWHM).

NP Photonics will soon launch a version of the TFM2000-OSAENG that will cover both the C- and L-Bands. A Telcordia-qualified version for performance and power monitoring of optical network systems is planned for later release.

NP Photonics' products will be on display at NFOEC booth #1501, September 15-19, 2002, in Dallas, Texas.

-more-

Founded in 1998, NP Photonics is the originator of the Erbium Micro Fiber (EMF) technology and is dedicated to the design, manufacture and marketing of compact, low cost, intelligent fiber-based products. The company has developed a wide family of products based on its EMF technology platform, including amplifiers, fiber amplifier arrays and fiber lasers. NP Photonics also manufactures a line of tunable filter products based on its Compliant MEMS technology.

For additional information contact:

Daryl Eigen
SVP of Sales and Marketing
NP Photonics
daryl@npphotonics.com
Tel. 520 799 7486
Fax 520 799 7403
www.npphotonics.com

-or-

Richard Mauser
Tate Associates, Inc.
Tel. 760 930 0984
Fax 760 930 6584
richard@tatemail.com

# # #