

Press Release

LASER COMPONENTS Presents New Partner

General Photonics: Polarisation Determining in Optical Fibers



The polarization of light guided in an optical fiber has to be determined or even influenced in many applications: for example, in fiber sensor technology and optical coherence tomography (OCT).

With the new partner General Photonics, LASER COMPONENTS has a comprehensive range of products available for the measurement of polarization-dependent effects and the dynamic control of polarization in optical fibers.

To analyze polarization and the polarization-dependent characteristics of optical fibers and components, we have inline polarimeters and a polarization measurement system (PGSA) available. The measurement of polarization-dependent loss (PDL), the degree of polarization (DOP), the polarization extinction rate (PER), or polarization crosstalk can be carried out with the appropriate measurement instruments.

Polarization can be directly influenced using General Photonics' polarization adjusters. The stabilization or adjustment of a certain polarization state can be carried out with stabilizers or a polarization synthesizer. Different polarization scramblers are available for depolarization.

Polarization-mode dispersion (PMD) or polarization-dependent losses (PDL) can be generated or emulated using the deterministic PMD source PMD Pro or the PDL source/emulator. These sources are used in the characterization of optical transmission systems and components.

Optical light sources and optical delay lines (phase shifters and manual and motorized optical delay lines) complement this product range.

More Information

<http://www.lasercomponents.com/de-en/news/determining-and-influencing-polarization-in-optical-fibers/>

Trade Shows

enova, Sept. 16-18, 2014, Paris expo Porte des Versailles, **Booth C11**
Photonex 2014, Oct. 15-16, 2014, Ricoh Arena, Coventry, UK, **Booth D20**
Vision 2014, Nov. 04-06, 2014, Messe Stuttgart, Germany, **Booth 1F14**
electronica 2014, Nov. 11-14 2014, Messe München, Germany, **Booth B1-306**

The Company

LASER COMPONENTS specializes in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 170 employees worldwide.