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Press Release

OptoTest OP740

Power Meter with 125,000 Samples per Second

With the OP740 from OptoTest, LASER COMPONENTS offers a high-speed solution for measuring the power of optical fibers from multiple channels. This device makes it possible to measure up to 125,000 samples per second with up to twenty-four fibers. In contrast to other systems, a separate, independent measuring unit is used for each fiber. This not only increases the speed but the accuracy of the measurement results as well. The relative measuring accuracy of the OP740 is ±0.02 dB. Thanks to this combination of high sampling rate and accuracy, even short signal dropouts in individual fibers can be detected as part of a dropout test.

Depending on the application, the OP740 is available with four to twenty-four ports per U2 rack. It can be optionally equipped with silicon (400 nm - 1100 nm) or InGaAs detectors (830 nm - 1700 nm).

The four-color touchscreen display allows the user to display the measurement results in real time and to choose how many channels are displayed. Several pass/fail measurements can be performed simultaneously without additional software. The color coding provides information about the performance of the overall system. The threshold values are defined by the user.

The OP740 is in demand wherever fast optical performance monitoring of many channels is required. For example, in the production of splitters, the cores of several fibers are fused together and twisted until the correct splitting ratio is achieved. This is best achieved when all outputs of the splitter can be monitored simultaneously.

In combination with the OPL-LOG software, this device is also suitable for long-term tests: for example, if the behavior of fibers is to be tested over the course of several weeks in a climate chamber.

More Information

www.lasercomponents.com/de-en/product/test-equipment-for-component-and-long-term-tests/

Trade Shows

Photonex Europe, October 10 – 11, 2018, Ricoh Arena, Coventry, UK, **Booth D15**
Vision, November 06 - 08, 2018, Messe Stuttgart, Germany, **Booth 1G31**
electronica, November 13 – 16, 2018, Munich, Germany, **Booth B3.524**
SPIE Photonics West, February 05 – 07, 2019, San Francisco, USA, **Booth 1751**
ATX West Automation, February 05 – 07, 2019, Anaheim, CA, USA, **Booth 4166**
BREKO, March 27 – 28, 2019, Wiesbaden, Germany
Automate, April 08 – 11, 2019, Chicago, IL, USA, **Booth 8536**
SPIE DCS, April 16 – 18, 2019, Orlando, FL, USA, **Booth 524**
ANGACOM, June 04 – 06, 2019, Cologne, Germany
Sensors Expo & Conference, June 25 – 27, 2019, San Jose, CA, USA, **Booth 419**
LASER World of PHOTONICS, June 24 – 27, 2019, Munich, Germany

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 220 employees worldwide.

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