

16th Feb.

2016

Press Release



That's Timing

COUNT[®] T – Single Photon Counter for Time-correlated Applications

In time-correlated single photon counting (TCSPC), single photons are not only counted, but the time of detection is also determined based on a reference signal. Here, a laser pulse generally serves as a reference. This method is a statistical counting method.

LASER COMPONENTS now offers a single photon counting module for time correlated applications: The COUNT[®] T is equipped with an avalanche photodiode (active area of 150 µm) produced in house and features a high detection efficiency of >80% and a temporal resolution of up to 350 ps.

In addition to fluorescence lifetime measurement (FLIM), the timing module is used in time-resolved fluorescence and single-molecule spectroscopy, as well as LIDAR applications.

More Information

www.lasercomponents.com/de-en/product/countt/

Trade Shows

Photonics West 2016, Feb, 16 - 18 , Moscone Center, San Francisco, USA, **Booth 2023**
DCS 2016, Apr, 19 - 21, 2016, Baltimore Convention Center, USA, **Booth 542**
analytica, May, 10-13, 2016, Messe München, Germany **Stand A2.500**
Sensor + Test, 10. - 12. Mai 2016, Messe Nürnberg, Germany, **Halle 1, Stand 256**

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 200 employees worldwide.