

Feb, 3<sup>rd</sup>  
2015

## Press Release



For Quantum Optics, Fluorescence Microscopy, or High-Energy Physics

### quTAU: Time-to-Digital Converter for Time-correlated Photon Counting

LASER COMPONENTS presents the quTAU, a time-to-digital converter that records the timestamps of electrical signals - extremely important in time-correlated single photon counting.

The compact counter transmits the time an event occurs and the count rates of eight individual input channels via USB to a PC. In addition, the quTAU exhibits a temporal resolution of 81 ps and an individually selectable coincidence time window. All features are designed for different applications in quantum optics, fluorescence microscopy, and high-energy physics.

This unit is set up using a PC and is equipped with a graphic user interface to make adjustment of the parameters as easy as possible. Prepared software examples for C++ and Labview™ facilitate integration into a customer-specific environment. This system can be operated on Windows® and Linux PCs.

#### More Information

<http://www.lasercomponents.com/de-en/product/time-to-digital-converter-for-photon-counters/>

#### Trade Shows

Photonics West 2015, Feb, 10 - 12, 2015, Moscone Center, San Francisco, USA, **Booth 2023**  
OFC 2015, Mar, 24-26, 2015, Los Angeles Convention Center, Los Angeles, **Booth 2424**  
DSS 2015, Apr 21-23, Baltimore Convention Center, Baltimore, MD, **Booth 1125**  
Sensor+Test 2015, May, 19 - 21, 2015, Messe Nürnberg, Germany, **Booth 12.117**  
Anga Com 2015, Jun, 09 - 11, 2015, Messe Köln, Germany  
LASER. World of Photonics 2015, Jun, 22 - 25, 2015, Messe München, Germany, **Booth B3.303**

#### 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.