

Inexpensive Photon Counter

Passively-Quenched COUNT® S

New photon counters have been added to the COUNT® series: The COUNT® S modules feature the same high quantum efficiency of the other models but a significantly larger active area of 500 µm which facilitates focussing. These photon counters are passively quenched and thus the most inexpensive alternative. They are well suited for research and school internships - e.g. in the field of quantum optics and quantum information.

A dead time of approx. 1 µs yields a maximum count rate of up to 1 Mcps. The dark count rates of the COUNT® S series range model-specific between 1000 cps and 5000 cps and tie in directly with actively quenched COUNT®s.

Function: Incoming photons produce electrical pulses in the detector that are then readout using the TTL output. A PSU, which is available on an optional basis, completes the plug-and-play module. All COUNT® S models are also available with an FC/PC fiber coupling.

More Information

<http://www.lasercomponents.com/de-en/product/count-s/>

Trade Shows

Photonics West 2015, Feb, 10 - 12, 2015, Moscone Center, San Francisco, USA, Stand 2023
 Sensor+Test 2015, May, 19 - 21, 2015, Messe Nürnberg, Germany
 Anga Com 2015, Jun, 09 - 11, 2015, Messe Köln, Germany
 LASER. World of Photonics 2015, Jun, 22 - 25, 2015, Messe München, 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 170 employees worldwide.