

Position Processing

SEEPOS – PSD Electronics for Position Sensing Detector



LASER COMPONENTS introduces the PSD electronics SEEPOS: a position-processing system for one and two-dimensional PSDs from its partner SiTek.

Position measurement is carried out at a resolution of 16 bits at speeds of up to 1 MHz. The power range extends from nW to mW and can be used for both DC applications and in modulated light sources.

PSD bias voltage, amplification, the use of analog/digital filters, etc.: All parameters can be easily set up and monitored with the software included in delivery. Imaging the light spot on the monitor is carried out graphically. Movements in XY direction, as well as deviations (X-t and Y-t), can be continually tracked. All data is transmitted via USB2.0.

The SEEPOS is suited for all standard PSDs. Position measurement is carried out most easily with SiTek's compact PSD modules. Either one-dimensional PSDs from 2.5 mm to 20 mm or two-dimensional PSDs with an edge length of 2x2 mm² to 20x20 mm² can be integrated in the "PSD Holder MH01" mount. In this plug&play solution, the PSD mount simply has to be connected via the DSUB9 connector included in delivery with the SEEPOS. Then, the sub-µm position measurement can begin.

More Information

<http://www.lasercomponents.com/de-en/product/psd-modules-and-evaluation-electronics/>

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.