

### New Development with Interesting Advantages

## Pyroelectric LTO Detectors in Current Mode



The LASER COMPONENTS Pyro Group introduces new developments: Pyrodetectors used in current mode.

In current mode, the signal is relatively strong on a low offset with a consistent temperature dependency across a wide range. Alan Doctor, pyrodetector visionary and managing director at LC Pyro Group has had current mode in his sights for years and transformed it into marketable products. In addition, the new product range reflects new market trends.

The initial products consist of LiTaO<sub>3</sub> detectors in a TO-39 housing – as single and dual sensors with an active area of up to 3.0 x 3.0 mm<sup>2</sup>. They are available both with and without an additional blind element. The purpose of the blind element is temperature fluctuation compensation (TFC), as well as higher internal amplification. Wherever reasonably possible, we integrated microphonic reduction in the detectors.

A wide range of filters makes it possible to configure a suitable detector for nearly any application.

### More Information

<http://www.lasercomponents.com/de-en/ir-components/pyroelectric-detectors/>

### Trade Shows

**DSS 2015**, Apr 21-23, 2015, 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, **Booth 10.2/J35**  
**Sensors Expo & Conference 2015**, Jun 9-11, 2015, Long Beach Convention Center, CA, **Booth 924**  
**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.