

### Standard Portfolio

## Pyroelectric Detectors Made of LiTaO<sub>3</sub>

Trends, customer demands, production experience: LASER COMPONENTS Pyro Group presents a standard portfolio of pyroelectric detectors that use LiTaO<sub>3</sub> as active material. Those detectors are popular for industrial applications and available for quick delivery.

The focus of this portfolio are single-channel and two-channel detectors in current mode. The advantages include consistent temperature curves and low power consumption. The recommended supply voltage is +3 V. These versions are easy to handle, therefore they are recommended for new developments.

Dual detectors in classic voltage operation are also part of the core portfolio; they are already being used successfully as a second source product.

In general, thermoelectric detectors are polychromatic. To detect a defined wavelength, a corresponding bandpass filter is needed. The selection is quite large: 17 variations are available.

### More Information

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

### Trade Shows

**VISION 2016**, November 08-10, 2016, Messe Stuttgart, **Booth 1C33**

**Electronica 2016**, November 08-11, 2016, Messe München, **Booth B1.306**

**SHOT Show**, January 16, 2017, Las Vegas, NV, USA, **Table Top**

**SPIE Photonics West**, January 13 - February 02, 2017, San Francisco, CA, USA, **Booth 2023**

**MD&M West Expo**, February 07-09, Anaheim, CA, **761**

**Automate 2017**, April 3-6, 2017, Chicago, IL, USA, **Booth 2661**

**SPIE Defense + Commercial Sensing**, April 11-13, 2017, Anaheim, CA, USA, **628**

### 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.