

Press release

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Hertzstück™ infrared sensor evaluation kit for easy development

- Evaluation kit enables quick development with all varieties of Hertzstück™ PbS sensors
- Features: 2 input channels, 48 kHz sampling rate, 16 bit resolution, powered and controlled directly over USB
- Evaluation kit includes analysis software performing real-time FFT and statistics analysis

The evaluation kit enables users to easily compare different varieties of the Hertzstück™ PbS sensors and to quickly develop circuit designs for their applications. Hertzstück™ PbS sensors are fast and precise room-temperature operation IR sensors working up to 3 μm wavelength. Featuring two input channels, 48 kHz sampling rate and 16 bit resolution, the kit can be powered and controlled directly over USB. All supply voltages are created on-board ensuring noise-free biasing and operation without the need for external precision voltage sources: a true plug-and-play solution. The kit includes analysis software performing real-time FFT (Fast Fourier Transform) and statistics analysis. Hence the kit directly determines signal and noise characteristics of the sensors, stores measurement data and characterizes detectivity and responsivity with an easy-to-use interface.



Hertzstück™ IR sensor evaluation kit

The standard version is equipped with 2 mm x 2 mm bare chip PbS detectors, other detector geometries are available upon request. Evaluation kits can be ordered via www.hertzstueck.de.

About Hertzstück™

Hertzstück™ is a brand of trinamiX GmbH, a spin-off and wholly owned subsidiary of BASF SE. trinamiX GmbH was founded in 2015 and is based in Ludwigshafen, Germany. The team around Hertzstück™ consists of experts from various competence areas such as chemistry, physics, material science and engineering. We offer standard and custom-engineered products in the field of infrared (IR) detection. www.hertzstueck.de

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