

Press Release

InfraTec GmbH Infrarotsensorik und Messtechnik

Dresden, 2023-05-17

Pyroelectric Detectors at a Glance in the Current Catalogue

InfraTec introduces many product innovations in the current issue of the detector catalogue

At its headquarters in Dresden, InfraTec develops and manufactures infrared pyroelectric detectors. Due to the modular design concept of the detectors with approximately 50 standard types, users always get the right solution – optimised for their specific field of application. These infrared detectors are used for high-precision gas analysis, fire and flame sensor technology and spectroscopy.

Novelties in the current product catalogue

To provide a complete overview of known and new sensor products, InfraTec has updated the detector catalogue. In addition to the already established product portfolio, pyroelectric detectors with digital interface – PyriQ® – have now also found their way into the catalogue. Like all InfraTec detectors, these are based on single-crystal lithium tantalate (LiTaO₃) as well. InfraTec's latest development is characterised by significantly simplified system integration, a wide range of setting options for the integrated signal processing and improved electromagnetic compatibility.

Furthermore, the PYROMID® product range has been expanded. With the world's smallest multi channel detector LRM-292 in TO46 housing, another detector with integrated transimpedance amplifier is now available.

In addition to all the new products mentioned, the revised catalogue offers the usual detailed technical explanations of the design and operating principle of pyroelectric detectors, application examples and handling recommendations. It also includes compact data sheets for the detectors and an overview of all available narrowband filters and IR windows.

The catalogue can be requested via e-mail to sensorik@infratec.de or by phone at +49 351 82876-700.

Information: 1,823 characters (incl. spaces)

About InfraTec

The InfraTec infrared sensor and measurement technology company was founded in 1991 and has its headquarters in Dresden, Germany. The privately held company employs more than 240 employees and has its own design, manufacturing and distribution capabilities.

The infrared sensor division produces custom-made components on more than 1.600 m² of clean room space – especially pyroelectrical infrared detectors – for clients worldwide. The product range includes analogue single and multi channel detectors as well as digital multi channel detectors (PyriQ). The detectors are used, for example, in gas analysis, fire and flame sensors and spectroscopy.

With its infrared measurement business unit, InfraTec is one of the leading suppliers of commercial thermal imaging technology. In addition to the high-end camera series ImageIR® and the VarioCAM® High Definition series, InfraTec offers turnkey thermographic automation solutions e. g. for industry processes, non-destructive testing and fire detection and prevention.

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