

Press Release

InfraTec GmbH Infrarotsensorik und Messtechnik

Dresden, 08/02/2021

You Bank on Infrared Detectors? Let Us Be Your Partner!

Short delivery times and numerous options for customisation – the modular system of pyroelectric detectors from InfraTec offers the optimum solution for a wide range of applications and requirements.

InfraTec GmbH Infrarotsensorik und Messtechnik, an owner-managed Dresden-based company, has over 30 years of experience in the field of infrared technology. Customers worldwide benefit from a wide range of high-quality, innovative products and services in this field.

Higher production capacities and shorter delivery times

InfraTec is expanding at its headquarters in Dresden. A new extension including a clean room creates more space for the infrared sensor division. As part of this expansion, the machine park was also enlarged. Step by step, fully automatic machines replaced the previous models. Among other things, an automatic semiconductor saw with double spindle for sawing wafer materials, further automatic chip bonders and more powerful automatic machines for wire bonding and cap bonding were purchased. The coating machines for different applications were also renewed.

Due to the expansion of production capacities and an improved flow of goods, we are able to reduce delivery times for our customers.

"Made in Germany" – from standard to special detectors

The modular design of the InfraTec detectors as well as the large selection of different standard filters offer a wide range of application possibilities and thus room for your individual specifications. Our product range comprises a total of five different product groups with approximately 50 standard detectors, ranging from single-channel to eight-channel detectors. Each infrared detector is tested for functionality by our quality department before delivery. The individual measurement data for each detector is made available in our download portal. Our customers can retrieve this data via the assigned serial number and thus save the effort of an incoming goods inspection. At the same time, the requirements for traceability are fulfilled.

To meet customer requirements in the best possible way, InfraTec also invests in internal research and development of new sensor technologies. Our in-house developed PYROMID® multi-channel detectors, for example, combine high technology in the smallest of spaces with their compact design.

Small detectors – great possibilities

The range of applications for pyroelectric detectors is very extensive. They are used for gas analysis in medical technology, mining and industry, among others. They also enable the detection of flames caused, for example, by burning organic substances such as wood or natural gas. Another field of application involves spectroscopy. Here, detectors support the analysis of the composition of solids, liquids and gases. These are used for example in environmental technology or food quality control.

Each task involves special requirements. That is why our experienced sales engineers and product managers analyse your specific needs in an individual discussion. Together, we configure the detector that is precisely tailored to your field of application.

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InfraTec is your partner for more than just looking for a supplier!

Find out more about the use of pyroelectric detectors in your application. We will be happy to advise you on the selection of your device and support you with questions regarding lenses, mechanics and electronics as well as the selection of the appropriate IR filter.

Order catalogue now

The current catalogue gives you an overview of the infrared sensor product portfolio. In addition to detailed data sheets on our pyroelectric detectors, it also contains technical explanations, application examples and handling recommendations. Please contact us.

Contact

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About InfraTec

The InfraTec infrared sensor and measuring technology company was founded in 1991 and has its headquarters in Dresden, Germany. The privately held company employs more than 200 employees and has its own design, manufacturing and distribution capabilities.

Infrared sensors, with electrically tunable filters based on MOEMS, count among the products of the infrared sensor division, next to spectrally single and multi channel infrared detectors. These detectors can be used in gas analysis, fire and flame sensor technology 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.

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