

Press Release

InfraTec GmbH Infrarotsensorik und Messtechnik

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New catalogue combines expertise and product details

Extensive background information on infrared sensors and an elaborate redesign transform the revised InfraTec product catalogue into an even more valuable reference book

The InfraTec product range of pyroelectric detectors has been developing steadily over the past few years. A new product catalogue shows which single and multichannel sensors the Dresden-based company has to offer for gas analysis, flame detection and NDIR spectroscopy.

Additional contents offer useful information for the selection and use of the detectors

The completely revised overview appears in a German, English and Chinese version. It focuses to an even greater extent on the questions that users of the detectors regularly contact InfraTec about. One example of this is in the chapter discussing current mode and voltage mode. Here, the fundamental advantages and disadvantages of both forms of integrated amplification are outlined by means of understandable texts, formulas, comparisons and layout recommendations.

An entirely new chapter with circuit suggestions was added. Readers will learn what a simple functional test of the detectors looks like, how the analogue signal processing takes place and what influence this has on the dimensioning of the built-in components. An actual application example illustrates the principle structure and function of a gas detection system. This example illustrating the usage of pyroelectric detectors can mark a starting point for users to develop their own equipment.

The concept takes different requirements of the users into account

The extensive information on the fields of application as well as on the five standard types of detectors that InfraTec develops and produces also underline the service character of the catalogue. Thus, it shows how the adaptation of these standard types to specific customer requirements is achieved. One way, for example, is the integration of customer-specific IR-filters. Furthermore, there are selected insights into manufacturing standards, such as the final measurement that every single detector undergoes before leaving the cleanroom of InfraTec.

The new design supports the modernised content-related concept. Large, uniformly designed figures ensure that the information, which consistently guides the reader from general to specific knowledge, is conveyed clearly and descriptively. In this way, readers with different levels of proficiency can access the knowledge. The binding by means of ring binders ensures that the catalogue can be extended at any time by additional data sheets and future publications. Thus, the overview will become a valuable companion for many years to come.

Information: 2,704 characters (incl. spaces)

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.

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

With its infrared measurement technology division, 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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