

Press release

February 06, 2024

Labeling with maximum precision

di-soric: new capacitive label sensors for thin, transparent labels

The capacitive label sensors from the KGUTI series by di-soric aid process-reliable and efficient detection, positioning and checking of transparent, film, and paper labels. Two different designs cover a broad field of use in the packaging industry. The teaching-in of a sensor to new label materials is possible with a teaching button directly at the sensor, alternately via a teaching line or fully digitally with parameterization and diagnosis via IO-Link.

The successor products from the KSSTI series are available in two different designs with robust metallic housings: The capacitive label sensor KGUTI50 is flat and can be integrated in labeling machines in a space-saving manner. The sensor is available in two fork widths (1 mm, 0.4 mm) and is perfectly suited, unlike optical sensors, to very thin, transparent labels. With comparable performance features, but with a fork depth of 85 mm, the KGUTI80 is the variant for wide labels.

Both variants are suited for use in high-speed labelers and enable highly precise dispensing with a reproducibility of up to 0.1 mm. In addition to the usual dispensing and positioning of labels, capacitive label sensors from di-soric are used in the triggering of camera systems. Because the KGUTI series from di-soric detects and positions transparent labels with a high degree of precision, premium products in the pharmaceutical and cosmetics industries can be checked and labeled with the no-label look.

The user-oriented operating design makes commissioning of the capacitive label sensors from di-soric as simple as can be: The adjustment of the KGUTI to the moving label tape is done with Auto Teach at just the press of

a button. Big keys allow a manual fine adjustment via +/- button or static teaching-in to the label gap.

Commissioning via the IO-Link interface provides the greatest possible overall benefit for controlling the sensor functions: With IO-Link, the user has available to him/her the complete spectrum of digitized parameterization and diagnosis in ongoing operation. Configurable sensor modes optimize the sensor. A recipe management function automates applications. Diagnosis offers various options for optimizing productivity and quality in existing and new applications.

Characters: 2,339

Images:



Image 1: Label sensor KGUT150 (flat) for thin, transparent, KGUT180 (two connection variants!) for wide labels.

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Image 2: Precise triggering of camera systems with capacitive label sensor KGUT150.



Image 3: Label sensor KGUT180 for the precise positioning of thin, transparent film labels.

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More information: www.di-soric.com

Our family-run group of companies has been an established manufacturer in the area of industrial automation for 40 years now. We develop, manufacture, and sell a broad spectrum of innovative sensors, high-performance image processing components, and high-quality LED machines and signal lighting. Our wide range of products is rounded off with our versatility for customer-specific solutions.

Our products are primarily used in the areas of assembly & handling, robotic systems, packaging, machine tools and measurement & testing. And here we focus on the automotive, food & beverage, pharma & cosmetic and electronics industries.

Please send sample copies (PDF format) to:

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