

Sensor for Level Measurement of Highly Adhesive Liquids

Leinfelden-Echterdingen, 05 October 2018. EBE sensors + motion presents a new sensor technology at the electronica 2018 in Munich. It is suitable for the measurement of critical, highly adhesive media. The measuring principle is called corTEC[®]. EBE informs in trade fair hall B3, stand 430, about its technology developments. The company from Leinfelden-Echterdingen understands itself as a competence center for sensor systems and mechatronics for price-sensitive markets.

Even with critical applications the new corTEC[®] sensors from EBE ensure the safe and reliable detection of liquid filling levels which had been difficult to gauge so far. When it comes to liquid media it is difficult for conventional sensors to decide if the fluid actually contained in the tank or just the coating or film on the tank wall is shown. In many applications, however, the display of the liquid filling level is the decisive statement. For these special tasks EBE sensors + motion has developed a sensor technology based on the noise measurement technology. The sensor evaluates the transmission behavior of the signal frequencies and so recognizes parameters which reliably distinguish between the liquid volume and the liquid coating (film) on the tank wall. This basic technology corTEC[®] allows the cost-effective and reliable solution of many tasks that had almost been insoluble so far.

In addition, the corTEC[®] platform compensates the influences of outer disturbances and error sources such as temperature drift.

With corTEC[®] EBE presents a robust and versatile but cost-effective measuring process. It is suitable for the level measurement in numerous devices and systems working with a great variety of liquids. Currently, the most common applications are found in appliances, vehicles, medical engineering and production plants.

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Short Profile

The company EBE Elektro-Bau-Elemente GmbH (www.ebe.de) based in Leinfelden-Echterdingen offers OEM-solutions in the fields of sensor and actuating technology, mechatronics, drive technology and magnetic engineering. EBE develops customized solutions and manufactures serial products for OEM customers. The focus lies on capacitive and inductive sensors, among others for level monitoring based on sensor technologies developed in-house as well as mechatronic systems. A further focus lies on intelligent door opening modules for appliances or sensor systems for white goods, medical engineering and mobility. The sensor program also includes level sensors, pressure sensors, position sensors, radar sensors, and more. Furthermore, EBE manufactures solenoids for a variety of applications as well as robust rotary switches, buttons and encoders and adapts them to the customer requirements. The company sees itself as a competence center for the development and production of sensor systems and drive technology for price-sensitive markets. EBE predominantly supplies four markets: Appliances, industry, medical engineering and mobility. The technology company was founded in 1950 and employs a total of 150 people at its three production locations in Leinfelden-Echterdingen, Schwabach and Friedrichshafen.

Press Contact

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