Press release

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**Determine film thickness with a capacitive measuring system**

**High-precision measuring systems are required to accurately measure the thickness of films, for example, battery films. The capaNCDT TFG6220 from Micro-Epsilon can be used to determine the thickness of electrically conductive films with maximum precision. The system is used for quality inspection in the form of offline random samples. The TFG6220 is pre-assembled ready for operation and enables a quick start.**

The capaNCDT TFG6220 capacitive measuring system measures the thickness of electrically conductive films, such as battery films, with maximum precision. A vacuum device sucks in the object to be measured, smooths it and thus ensures that is optimally positioned without wrinkles. In this way, the measurement can be performed with the greatest possible precision.

The TFG6220 consists of a measuring bracket including sensors and an external controller unit. In quality inspection, it is used offline for thickness measurements of random simples.

Pre-assembled and ready for use, this capacitive measuring system can be started quickly. The intuitive web interface can be used to make settings, perform measurements as well as display and output the measured data.

The system calculates the thickness by evaluating the readings of two capacitive sensors located opposite each other. Unlike tactile measuring principles, the thickness measurement is always highly reproducible at the same point. The inspected film being smoothed automatically by a vacuum device ensures highly precise results. The measured object remains undamaged in the process.

The system measures from two sides onto the measuring insert, which acts as a reference surface. This allows the system to be adjusted to zero before the thickness measurement.

approx. 1,700 characters



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