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New capacitive demodulator for high-resolution measurement tasks

At the end of 2012, Micro-Epsilon launched the capaNCDT 6200 capacitive measuring system that can be extended up to four measurement channels using demodulators. A new addition is the DL 6230 demodulator, which provides up to 8 times higher resolution for reaching even higher performance levels.

Micro-Epsilon has launched the new DL 6230 demodulator module for capacitive displacement and distance measurement sensors. The new demodulator has a resolution up to 8 times higher than its predecessor. All capacitive displacement sensors from Micro-Epsilon can be connected to the DL 6230 with no further calibration required.

The demodulator modules mean that the control unit is based on a modular design principle and can be operated using up to four measurement channels. These additional channels are added (and removed) by the user without impacting on software performance or operation. The capaNCDT 6200 has an Ethernet interface and is operated via a web browser. Customer-specific configurations can be saved to increase the accuracy of measurement results.

The capacitive measuring system with its DL 6230 demodulator modules can be used to measure thickness, tilt angle and vibrations, from sub-micrometre to nanometre precision levels, such as those required by the semiconductor industry.

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approx. 1100 characters

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