# Press Release

**Innovative height measurement of objects with the light section sensor PosCon HM**

(16.04.11) Baumer PosCon HM is a unique, compact measuring unit for the intelligent height measurement of objects with 5 key figures. PosCon HM not only measures the maximum, minimum and average height of objects but provides the standard deviation and the delta and of height data independent of the object`s position. The factory calibrated sensor is immediately ready for measurement. With a resolution of up to 2 microns and a measuring rate of up to 500 Hz, the sensor provides reliable measurements even under varying ambient light conditions. The measuring values are provided in mm and can be processed directly in the assigned control system. Powerful algorithms in the sensor analyze up to 600 height data points per measurement. This allows even the precise measurement on objects with soft surfaces like rubber sealing, without exact positioning of the objects to be measured.

All functions are integrated within the sensor, including configurable limit values for each key figure. Reaching a particular limit value triggers the switching output. Tedious function development in external software is no longer required. Application deployment is done by simple parameter setting. Development efforts and installation time can be significantly reduced.

Thanks to its intelligent functions, PosCon HM provides clever solution for measuring and testing applications based on continuous object geometry comparison. Thanks to the evaluation algorithms integrated in the sensor, PosCon HM sensors are an efficient alternative for a large number of check-and-sort applications. With PosCon HM quality process can be optimized simply, efficiently and sustainably.

Further information: www.baumer.com/ posconhm

Photo: PosCon HM, the unique, compact measuring unit for the intelligent height measurement of objects

Number of characters (with spaces): approx. 1.797

Text and picture download at: [**www.baumer.com/press**](http://www.baumer.com/press)

**Baumer Group**

The Baumer Group is one of the worldwide leading manufacturers of sensors, encoders, measuring instruments and components for automated image-processing. Baumer combines innovative technologies and customer-oriented service into intelligent solutions for factory and process automation and offers an unrivalled wide technology and product portfolio. With around 2,300 employees and 38 subsidiaries in 19 countries, the family-owned group of companies is always close to the customer. Baumer provides clients in most diverse industries with vital benefits and measurable added value by worldwide consistent high quality standards and outstanding innovative potential. Learn more at [www.baumer.com](http://www.baumer.com) on the internet.

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