**Press Release**

**The New Ultra-miniature C11 Force Sensor**

HBM Releases Extra Small Load Cells in Cooperation with Kyowa

**Darmstadt, July 2020**

With its C11, HBM introduces a new series of compressive force transducers that open up new areas of application due to their ultra-miniature design.

The new compression load button load cells are based on strain gauges and are thus drift-free. The sensor is available in two sizes: The variants with nominal forces of 50 N, 100 N and 200 N are just 4 mm high with a diameter of only 10 mm. Also, force sensors with nominal forces of 1 kN and 2 kN are available with a remarkably small height of 7 mm and a diameter of 16 mm. All C11 series force transducers are designed as symmetrical membranes.

Irrespective of their minimal dimensions, the load cells that offer HBM accuracy class 0.5 are also suitable for measurement tasks with increased accuracy requirements. They have been tested for electromagnetic compatibility in HBM’s laboratory and offer an extremely wide temperature range of -20 to +120 °C.

Just like all the other HBM sensors, they are made of stainless steel. The force transducers are supplied with a fixed cable (2 m length). DAkkS calibrations are also available on request.

For more information, please visit:

<https://www.hbm.com/en/8748/c11-subminiature-load-cell/>

**Collaboration with Kyowa**

As a global player in the world of test and measurement, HBM cooperates with Kyowa Electric Instruments Co., Ltd. in various fields. Following the successful joint introduction of the KFU high-temperature strain gauges and P60 pressure transducers, the C11 ultra-miniature force transducers are another outcome of this partnership.

**About HBM Test and Measurement**

Hottinger Baldwin Messtechnik GmbH (HBM Test and Measurement, founded in Germany in 1950) is today the technology and market leader in the field of test and measurement. HBM’s product range comprises solutions for the entire measurement chain, from virtual to physical testing. The company has production facilities in Germany, USA, China, and Portugal and is represented in over 80 countries worldwide.

For more information, please visit [www.hbm.com](https://eur01.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.hbm.com%2F&data=02%7C01%7Cmelanie.klingelmeyer%40hbkworld.com%7Cf42e7ef6b63446cfc14808d7ecee4bcc%7C6cce74a3397545e09893b072988b30b6%7C0%7C0%7C637238380535015826&sdata=MhRNqBH%2B%2Fa6Lkcb%2FS2yPGgDRWIA41ELunScn3roG9vc%3D&reserved=0)

**About HBK – Hottinger, Brüel & Kjær**

HBK – Hottinger, Brüel & Kjær, home to the HBM Test and Measurement and

Brüel & Kjær Sound and Vibration brands, is a subsidiary of UK-based Spectris

plc ([www.spectris.com](http://www.spectris.com)), which has annual sales of £1,5 bn and employs

approximately 9800 people worldwide.

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