**Press information**

**Low uncertainty for comparison measurements and
calibration machines with HBK’s C5***New transfer standard achieves class 00 according to ISO 376 in the meganewton range**Darmstadt, May 2022*To help test houses and laboratories improve their measuring capabilities, Hottinger Brüel & Kjær (HBK) has launched the C5 reference force sensor range, which can be used for intercomparisons between calibration systems or as a reference transducer, for calibration machines with hydraulic force generation.

The sensor range can be adjusted to suit the particular force measurement task, for example with a bending moment bridge to help determine the condition of calibration systems whilst in operation. Users also have the choice between a plug or a cable to facilitate integration. An optional transducer electronic datasheet (TEDS) provides guidance on adjustments to the sensors.

The C5 achieves class 00 under the ISO 376 standard, between the measurement range 40 and 100 % of its nominal force covering large capacities between 5 MN and 20 MN. This ensures the calibrated instruments, used for the verification of uniaxial testing machines, provide accurate results.

HBK also offers a complete range of solutions for reference measurement technology within the high-load range, including world-leading high precision amplifiers and high-end calibration services.

Find out more: <https://www.hbm.com/en/8885/force-transfer-standard-c5/>

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

The two market leaders, HBM and Brüel & Kjær, have joined forces as HBK – Hottinger Brüel & Kjær – to form the world’s foremost provider of integrated test, measurement, control, and simulation solutions.

HBK – Hottinger Brüel & Kjær – provides a complete portfolio of solutions across the test and measurement product life cycle, that unite the physical world of sensors, testing and measurement with the digital world of simulation, modelling software and analysis. By creating a scalable and open data acquisition hardware, software and simulation ecosystem, product developers can cut time-to-market, drive innovation and take the lead in a highly competitive global marketplace.

For more information, please visit [www.hbkworld.com](http://www.hbkworld.com)