

HBK expands displacement sensor portfolio

Inductive displacement sensors now available with IO-Link or traditional industrial interfaces

As industrial monitoring, quality assurance, production and assembly processes become increasingly connected, engineers need measurement solutions that can integrate easily into modern automation environments - while maintaining flexibility for existing systems.

To address this, test and measurement expert Hottinger Brüel & Kjær (HBK) has expanded the interface options available for its proven WI and WA inductive displacement sensor series, introducing models with an IO-Link interface, alongside existing industrial interface options.

These sensors have long been used successfully in monitoring, quality assurance, production and assembly applications – and in civil engineering.

The Miniature displacement sensors WI with measurement ranges from 2 mm to 10 mm are exceptionally compact, featuring an outer diameter of only 8 mm.

The WA series offers a wide variety of configurations, enabling adaptation to any measurement task. This includes pressure-resistant versions, probe-type sensors, loose plungers and several cable outlet options suited for different mechanical environments. The loose plunger variants are available with measuring ranges of up to 500 mm.

HBK's three new inline amplifier modules come with 0–10 V, 4–20 mA, or IO-Link outputs. These amplifiers improve linearity to just 0.1% and provide fully calibrated measurement chains. The digital IO-Link versions transmit measurement values in millimeters immediately once connected to an IO-Link master. The versions with IO-Link interface featuring Bessel- or Butterworth filters and calibration results can be stored directly within the sensor if required.

The company's passive sensor models will still be supplied, without any restrictions.

More information about HBK's sensor range is available at: [Inductive Displacement Sensors | Sensors](#)

ENDS

About HBK – Hottinger Brüel & Kjær

Hottinger Brüel & Kjær (HBK)'s testing and measurement solutions give engineers around the world the accurate, up-to-date data they need to bring higher-quality products to market faster.

HBK bridges the physical and virtual worlds with robust, flexible hardware and precise, powerful analytics software. Giving design, test, and measurement engineers complete confidence in every reading and every data-driven decision – across the entire product development lifecycle.

Backed by decades of experience and deep expertise, HBK's sensors and software transform testing and measurement in a huge range of use cases, from building more aerodynamic aircraft to testing the safety of automotive vehicles, and monitoring assets throughout their production cycle.

HBK empower the innovators by providing exceptional sensing and insights to help create solutions for a cleaner, healthier and more productive world.

For more information, please visit www.hbkworld.com