



Accelerate your product innovation with HBK

Hottinger Brüel & Kjær (HBK) provides integrated solutions and domain expertise across the test and measurement product life cycle, bridging the gap between the physical world of sensors, testing and measurement and 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.

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

Test and measurement

INDUSTRIAL MEASUREMENT

Proven and reliable control and process solutions ranging from industrial electronics to production testing and quality assurance.

Industrial amplifiers



Industrial process control solutions for measuring and monitoring multi-channel applications such as test benches and production, and easy-to-integrate signal conditioners with fieldbus output.

Acoustics



End-of-line testing solutions for acoustic quality analysis of components and finished systems.

SOUND LEVEL METERS



Hand-held sound level meters with targeted functionality for reliable and confident sound and vibration measurement data.

SHAKERS AND EXCITERS



Comprehensive range of exciters and shakers that cover applications throughout the entire spectrum of vibration testing and modal and structural analyses.

ELECTROACOUSTICS



Head and torso simulators, and mouth and ear simulators to measure and document standardised acoustic performance during development and manufacture of new products.

WEIGHING SOLUTIONS



Weighing terminals, weight indicators and electronics for a wide range of applications.

DATA ACQUISITION

Gain insight into the performance of products, machines, and structures with cutting-edge systems for measurement of mechanical, electric, and vibration data.

Universal



Universal and distributable data acquisition system with the unique capability of acquiring any signal and sensor information in laboratory conditions.

High channel count



Versatile rack-mounted system that offers high-accuracy data acquisition for applications with high channel counts, such as experimental stress analysis and structural testing.

High speed/transient



Modular, transient signal recorder for fast measurement of electrical and mechanical parameters.

Power analyzers



Power analyzer and data acquisition system for testing electrical drives.

Sound and vibration signal analyzer



Versatile, modular hardware for 2 to 1000+ channels of sound and vibration data acquisition.

Rugged



Data acquisition system for measurements in mobile and harsh environments.

Optical interrogators



Specifically designed to measure the values generated by Fiber Bragg Grating (FBG) sensors.

High precision



Digital precision measuring instruments. Maximum precision and long-term stability.

Sensors and transducers

SENSORS

Unique range of sensors delivering precision, safety, dependability, and the quality you need.



Torque

Analogue and digital torque sensors for precise and reliable measurement of torque at speeds up to 45,000 rpm.



Microphones

Microphones, hydrophones, preamplifiers, acoustic couplers and signal conditioners for almost any application ranging from outdoor, in-vehicle, array applications, and more.



Accelerometers

High-quality charge, IEPE, uniaxial and triaxial accelerometers for virtually any environment, industry, task or conditions.



Force

Force sensors and transducers with strain or piezoelectric based technology that measure static and dynamic tensile and compressive loads with virtually no displacement.



Load cells and weighing solutions

Precise measurement results and utmost reliability from analogue or digital load cells, single point load cells or bending beam load cells.



Pressure

Monolithic sensors capable of supporting a large number of cycles with extremely dynamic phenomena as well as measuring static pressure value.



OEM sensors and electronics

Custom sensor solutions all the way through to the final product, including verification and validation.



Displacement

Transducers, sensors, and probes in a variety of designs and lengths. Inductive measurement principle for low wear and high reliability, as well as proven strain gauge measuring bridges.



Strain

A wide portfolio consisting of more than 2000 conventional and optical strain gauge types and accessories for structural and durability tests. Also available as custom OEM strain gauges.



Optical fiber sensors

Accurate strain measurements based on the Fiber Bragg Grating (FBG) principle well-suited for applications with electromagnetic interference.

TO SEE OUR OTHER PRODUCTS [CLICK HERE](#)

MicroStrain by
HBK
HOTTINGER BRÜEL & KJÆR

TO SEE OUR OTHER PRODUCTS [CLICK HERE](#)

Dytran by
HBK
HOTTINGER BRÜEL & KJÆR

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Discom by
HBK
HOTTINGER BRÜEL & KJÆR

Analysis applications and software

EXTENSIVE RANGE OF DATA MANAGEMENT, ACQUISITION AND ANALYSIS, AND SIMULATION TOOLS THAT MEET YOUR ANALYSIS REQUIREMENTS.

Sound and vibration

Acquisition and analysis applications that are tailored to accomplish specific sound and vibration testing tasks – from measurement to reporting.

NVH simulation

Immersive solution for desktop or in-vehicle simulation of a vehicle's interior noise, vibration and harshness (NVH).

Fatigue and durability

Post-processing applications specialised in fatigue and durability analysis techniques for avoiding unexpected failures.

Acoustic quality

Analysis solutions customised to fit individual production lines. Adaptable hardware and software set up to meet the needs of each production line, based on volume and complexity.

Data analytics

Powerful solutions for analysis and reporting of test data with capabilities for handling large volumes of streamed data analytics.

Data management

Easily access, process and report results using server based technology.

Reliability

Comprehensive set of tools for performing reliability engineering, modelling and analysis techniques.

Data acquisition and analysis

Software that simplifies the acquisition, visualisation and analysis of your measurement data.

High Speed Data Processing

Fast and reliable processing of large amounts of data. Ideal for high-speed data acquisition.

APIs

Drivers and interfaces to integrate data acquisition systems with third party software or customised applications.

Services

EXPERIENCED PROFESSIONALS AVAILABLE TO AUGMENT YOUR TEAMS' CAPABILITIES AND CAPACITY, IMPROVE PROCESSES, AND TRANSFER KNOWLEDGE AND TECHNOLOGY TO YOUR ORGANISATION.

Calibration

Calibrating your sensors, data acquisition systems or complete measurement chains is a prerequisite for long-term quality assurance of measurement results.

Webinars

We offer a comprehensive range of webinars, courses and seminars – including customised training.

Support

Professional support. Whether your measurement technology needs repair or you have a question regarding your product, our support will assist you in all issues. And with a support contract, your enquiry will receive fast-track attention.

Engineering services

Whatever product physics challenges you face, we can add value by boosting your capabilities and capacity, improving your processes, and transferring knowledge and technology to your organisation.

On-site installation

Installations carried out by our skilled project engineers and/or application specialists ensure that your system is working to specifications.

INCLUDING
PACKAGES FROM



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