

Break the speed barrier...

... with sample rates of **100 kS/s** to **100 MS/s** per channel

Ultra
High-speed
DAQ



... and cutting-edge DAQ software

Perception

Accelerate your test capabilities with Genesis HighSpeed

The Genesis HighSpeed family share highest sample rates and mid to high channel counts. Based on modular platforms, all can be configured to the need of the application, be it a single channel or a thousand. With physical signal conditioners for all common sensors or featuring isolation to acquire off-ground signals even in the MegaVolt range. Sample rates range from 100 kS/s to 100 MS/s per channel. Systems are out-of-the-box and easy-to-use. The user interface of the shared Perception software is legend. And, the patented StatStream review technology enables instant handling of gigabytes of measurement data.



... featuring the world's No.1 software for high-speed DAQ: Perception

Perception covers all areas of high-speed DAQ :

- ___ Easy setup, professional acquisition and fascinating live displays with almost unlimited possibilities
- ___ Analysis using the formula database with over 70 functions
- ___ Reporting using "One Click to Word" feature or the powerful internal report generator.

Usability

Graphical amplifier setup or overview tables enable both low-channel as well as high-channel count control. Wizards and Advisors help in challenging situations. Built-in intelligence ensures correct settings.

Flexibility

Modular and packaged to match your needs. With hardware control or just for playback. Offers all required options without a cluttered user interface. Upgradable in the field, and steadily maintained.

Data handling

Easiest data handling using drag and drop, multi cursors, dual zooms, calculators. Data transfer to MS Office by single mouse clicks. StatStream technology displays 100 GB in 10 seconds.



Instrumentation

Description

Key specifications

- Sample rate per channel
- Channel count
- Transient memory
- Direct to disc rates

Major benefits

Typical applications

Exclusive range of ultra high-speed DAQ solutions



GEN5i	GEN7t / GEN16t	LIBERTY	Dimension4i
<p>Portable high-speed DAQ and transient recording</p> <p>The GEN5i is a portable high-speed DAQ and transient recorder. It features a high-end PC running 64 bit Windows, and lab performance with up to 40 channels, and up to 100 MS/s per channel in a portable, "all in one" box.</p>	<p>High-speed / high channel count DAQ and transient recording</p> <p>The GEN7t and GEN16t systems offer scalable channel count up to 1080 channels with simultaneous acquisition at sample rates up to 100 MS/s. They are the first choice for high-end lab-based DAQ or transient recording, without compromise.</p>	<p>Rugged, portable, battery-powered DAQ</p> <p>Extremely rugged and self contained including battery operation, the LIBERTY products are ideal for DAQ in harsh environments. Modular amplifiers enable configurations with up to 256 channels in a single box.</p>	<p>Portable data recorder with touch-screen operation</p> <p>Easy to use and portable, the Dimension4i is the perfect data recorder. Connect up to 16 signals and press RUN to acquire. Playback on-board or review and analyze in your PC. Data acquisition never was easier.</p>
<ul style="list-style-type: none"> · 200 kS/s to 100 MS/s · Up to 40 · Up to 9GByte · 50 MByte/s · All in one solution · Complete software · Portable · Easy to use 	<ul style="list-style-type: none"> · 200 kS/s to 100 MS/s · Up to 1080 · Up to 1TB · Several hundred MByte/s · Scalable · Upgradable · Out of the box · Easy to use 	<ul style="list-style-type: none"> · 10 to 100kS/s · Up to 256 - · Up to 1 MByte/s · Rugged and portable · Battery operation · High channel density · Easy to use 	<ul style="list-style-type: none"> · 200kS/s · 4 to 16 - · Up to 3.2MByte/s · Easy touchscreen operation · On board analysis · 1 kV isolation · Real-time FFT as option
<ul style="list-style-type: none"> · Explosives and pyrotechnics · Power plants · Maintenance and trouble shooting 	<ul style="list-style-type: none"> · Turbine/motor test cells · Switchgear testing · Satellite testing · Large-scale structural test 	<ul style="list-style-type: none"> · Civil engineering · In-field DAQ · In-vehicle testing 	<ul style="list-style-type: none"> · Maintenance · Power plants · Trouble shooting



HBM Genesis HighSpeed products were previously sold under the Nicolet brand. The Nicolet brand is owned by Thermo Fisher Scientific Inc. Corporation.

Genesis HighSpeed power and isolation products

Products for isolated measurements and test sequencing in HV / MV / LV labs and all other applications requiring safe isolation.

HV/MV6600
Isolated Digitizer



High Voltage



The 6600 is a series of isolated digitizers for the GEN DAQ products. Battery operated or using a 10kV isolation transformer and fiber optical signal transmission, the 6600 can acquire signals with up to 100MS/s sample rate.

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ISOBE5600
Isolated Probe System



High Voltage



The ISOBE5600 is a stand-alone analog in / analog out isolated probe system. Featuring fully digital transmission, best signal integrity is guaranteed while the ISOBE5600 can be used in front of any acquisition instrument.

BE3200
Test Sequencer



High Voltage



The BE3200 is a fully isolated, high precision test sequencer. Designed for use in the High Voltage / High Power lab, it is a safe controller for your test timing. Safety features and synchronization make the BE3200 the world standard in this application.

www.hbm.com/highspeed

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measure and predict with confidence

