

THIRD-PARTY MEASUREMENT HARDWARE

Wide Variety of Front-End Technology Supported

For highest system flexibility, our software products support not only m+p's own precision instrumentation, but also measurement hardware from other manufacturers, namely National Instruments and VTI Instruments. Our unique concept allows the user to

select his preferred measurement hardware for any test size. He can benefit from our software solutions without having to abandon the measurement hardware he has been successfully working with for many years. Our software is fully maintained and supported for the long term as well as being quicker to get up and running for your testing projects.

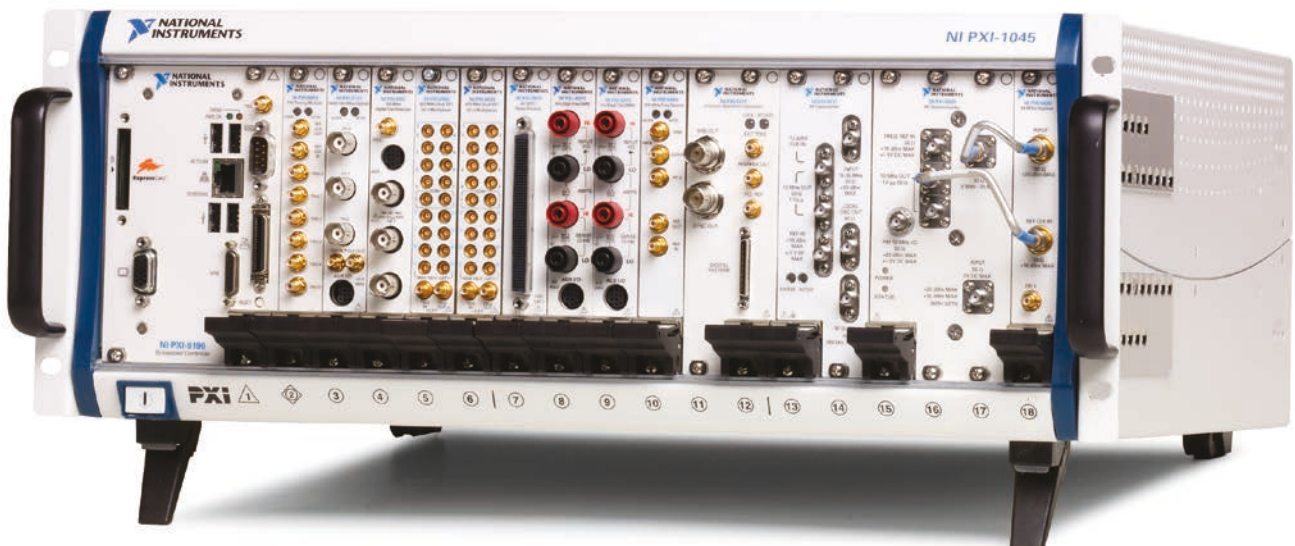
General-Purpose Data Acquisition

With the m+p Analyzer, m+p international offers fully integrated multi-application NVH software that supports a wide range of National Instruments instrumentation as well as SentinelEX acquisition hardware from VTI Instruments. Compared to a tool-kit approach, m+p Analyzer is a complete solution, from taking measurements, to generating reports, and taking care of all the complications of signal processing issues and data interpretation.

Operated with National Instruments high-precision data acquisition cards, m+p Analyzer is a flexible real-time analyzer for sensor and electrical measurements in the lab or in the field. It integrates seamlessly with National Instruments USB, Ethernet, Wifi, PCI and PXI modules for analysis, display and reporting.



m+p Analyzer and m+p Coda support National Instruments DAQ hardware



NI PXI modules and chassis

m+p Analyzer uses the plug-and-play simplicity of USB modules to acquire data from a multitude of sensors. Available with one, four and eight slots, NI CompactDAQ USB chassis are designed for small, portable, mixed measurement systems on the bench or in the field. The m+p Analyzer software is also utilized with the popular PXI/PCI modules from National Instruments for sound and vibration applications, structural testing and strain measurements.

The VTI Instruments SentinelEX product family covers a full range of data acquisition requirements. m+p Analyzer supports modular 9- and 18-slot EMX series mainframes including a gigabit Ethernet interface for high-speed data acquisition, NVH testing and dynamic signal analysis.



NI PCI data acquisition board



VTI EMX mainframe for NVH testing



Multi-Channel Data Acquisition

Our m+p Coda software supports proven instrumentation from VTI Instruments and National Instruments for multi-channel data acquisition and signal analysis.

For thermocouple and voltage measurements, the m+p Coda data acquisition software can be operated with the scalable, standalone 48-channel LXIbus-based EX10xxA series instruments. When combined with the LXI-based EX1629 remote strain gauge measurement unit, m+p Coda provides a powerful solution for static and dynamic structural tests, e.g. on aircraft and rail vehicles, and general multi-channel data acquisition.

In addition, m+p Coda supports the highly accurate thermocouple, analog input and digital I/O modules from National Instruments. Communication with the NI CompactDAQ chassis is done via Ethernet or USB.



VTI EX 1048A thermocouple measurement instrument



VTI EX1629 remote strain gauge measurement instrument

m+p international

Founded in Hannover, Germany in 1980, m+p international develops and manufactures test and measurement systems for vibration control, dynamic signal analysis, data acquisition, process monitoring and test stand engineering. Our product reputation and broad experience coupled with valuable user feedback have led to significant market share in numerous key industries worldwide.

The company has its headquarters in Hannover, Germany with sales/marketing subsidiaries in New Jersey (USA), England, France and China, along with representatives and agents in many countries.

Learn more on the full range of m+p international products and services and their applications. Select the m+p literature library on our website:
www.mpihome.com/en/literature-library.html

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