

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. 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.

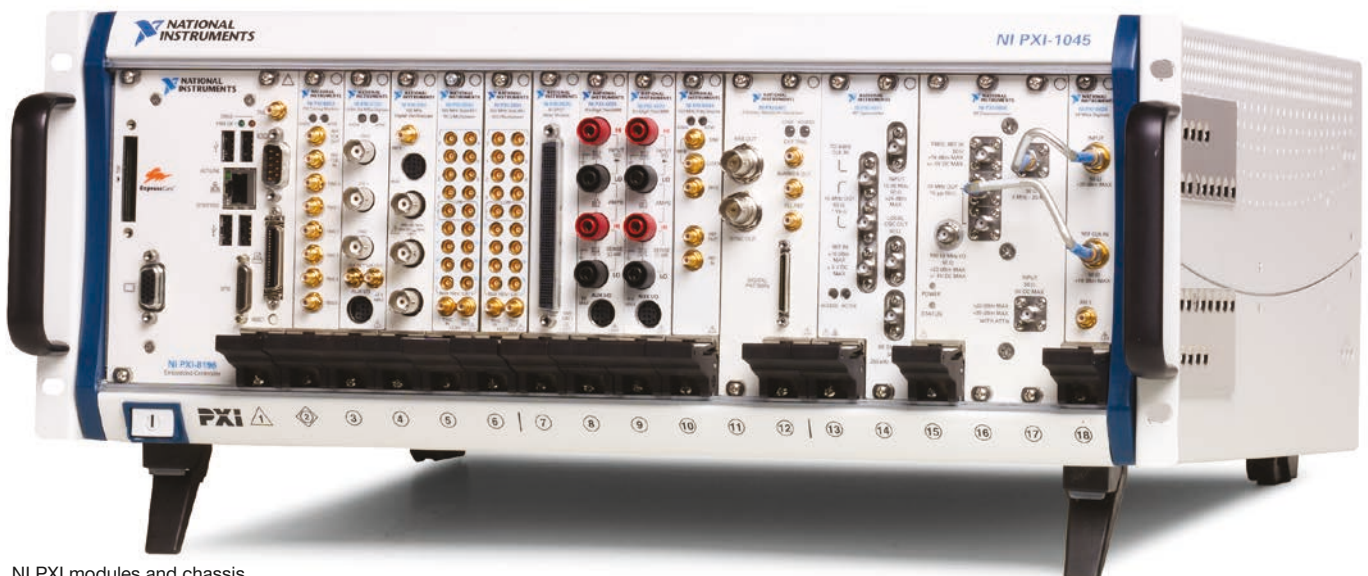
General-Purpose Data Acquisition

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 several digital USB devices and Spectrum PCI Express cards. 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



Mix of Spectrum PCI Express cards and m+p VibMobile front-ends in shock-isolated, vapour-proof boxes

m+p Analyzer software uses the plug-and-play simplicity of USB modules to acquire data from a multitude of sensors. With the popular PXI/PCI modules from National Instruments, it is utilized for sound and vibration applications, structural testing and strain measurements.

For on-the-go vibration measurements, m+p Analyzer supports pocket-sized, 2-channel IEPE hardware with standard USB audio digital output: the 485B39 signal conditioner from PCB/The Modal Shop as well as the PCB 633A01 and Digiducer 333D01 digital accelerometers.

High-speed multi-channel data acquisition applications are implemented using Spectrum PCI Express cards, M2i

and M2p families. This hardware is fully integrated into our m+p Analyzer to allow user-friendly setup, dynamic signal acquisition and comprehensive reporting.



Digital IEPE-USB signal conditioner 485B39

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

