

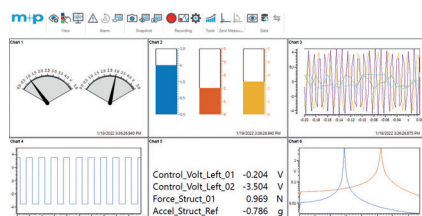
m+p Coda

Makes Your Strain and Stress Tests More Efficient

m+p Coda data acquisition software makes your stress and strain test reliable, safe, and convenient for any number of channels. Our application experts provide you with a turnkey solution that is ready for measurement. Once installed it can be adapted without programming knowledge.

m+p Coda offers real-time principal strain calculation and trend monitoring at sampling rates up to 200 kHz. Data export for post-processing enables comparison with Finite Element calculations while comprehensive data, alarm, and abort levels allow you to quickly respond to actions; avoiding damage to your test specimen.

m+p
international



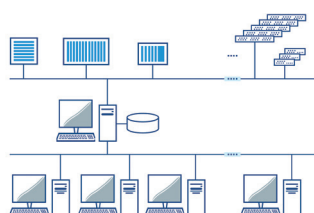
Data at a Glance – Ensures Reliable Test Results

m+p Coda's individually user configurable displays allow you to prepare, start, and run your test reliably. Each strain gauge channel can be checked prior testing. Trend calculation for higher loads as well as test-specific warnings and abort levels ensure protection from over-testing.



Flexible Hardware Integration – Fits the System to the Task

m+p Coda supports all m+p hardware as well as a broad range of hardware platforms such as VTI and National Instruments to go beyond just strain gauges. You can even mix sample rates for each instrument, making it easy to add additional acceleration, force, and voltage sensors to fit the measurement system to the task.



Turnkey Solution – Easy Set-up and Integration in Your Existing IT Network

m+p Coda's state-of-the-art user interface, combined with its client-server architecture, is easily set up and integrated in your existing IT network. The configuration is centrally available and can be accessed on all workstations and data from all sources is securely stored in a uniform database.



Global Service Support – Help is always around the Corner

m+p international's network of service experts and partners provides fast remote and on-site support. Our comprehensive service offering allows you to keep your software up to date, achieve regulatory compliance, maintain high performance, and maximize uptime throughout the life cycle of your equipment.

m+p Coda for Strain Gauge Measurements and Monitoring

- Real-time data acquisition and monitoring of ¼, ½, full bridges and rosettes
- Add thermocouples and RTDs for temperature-induced strain compensation
- Online analysis using the powerful Channel Calculator, e.g. principal strains
- Integrated automatic shunt calibration
- Automatic hardware configuration for fast and easy test definition
- Monitoring and automation with triggered event handling by analog and digital I/O
- Multilingual user interface in Microsoft Windows® style
- Data export to ASCII.TXT (.txt) and ASCII.CSV (.csv), Microsoft Excel® (.xls, .xlsx), Matlab® (.mat), m+p Analyzer throughput format (.sot) and Universal file format (.unv)

Data Acquisition

Channel count	2 to several thousand
Sampling rate	1 Hz to 200 kHz
Analog data	Strain, Acceleration, Force, Pressure, Temperature, Voltage, and more
Digital data	Any digital I/O signal
DAQ hardware	m+p VibRunner, m+p VibPilot, m+p VibMobile, National Instruments, VTI Instruments (EX 1629), as well as others on request
Communication interfaces	CAN, Ethernet, LXI, USB, OPC UA/DA

Key Features

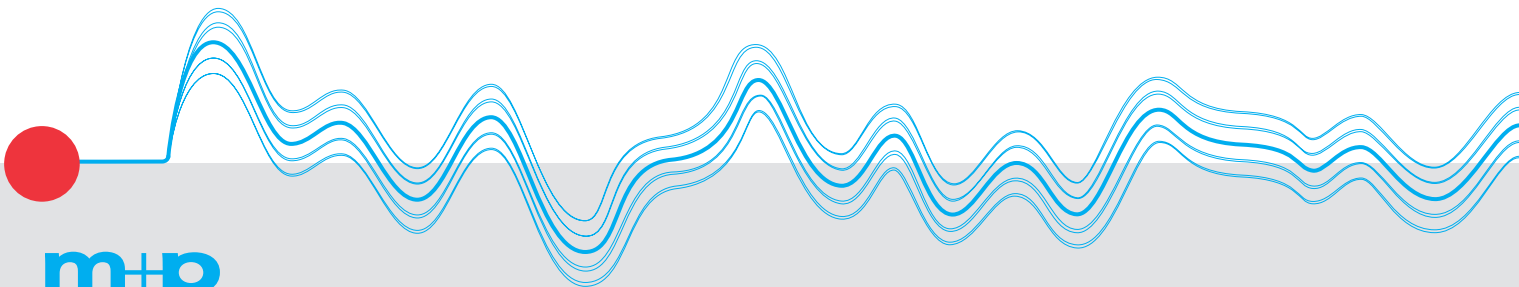
Strain Rosettes Fitted to the Measurement Task

Strain rosette data gives valuable information about complex structures with biaxial strain states. **m+p Coda** natively supports rosettes connected to any supported hardware.

Trend Calculation for Higher Load Prediction

CodaTrend automates high-load prediction by providing graphical trend plotting of strain values on any channel as an additional safety measure to protect the specimen.

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www.mpihome.com

GERMANY
m+p international Mess- und
Rechnertechnik GmbH
Phone: +49 511 856 03-0
sales.de@mpihome.com

USA
m+p international, inc.
Phone: +1 973 239 3005
sales.us@mpihome.com

UNITED KINGDOM
m+p international (UK) Ltd.
Phone: +44 1420 521222
sales.uk@mpihome.com

FRANCE
m+p international SARL
Phone: +33 130 157874
sales.fr@mpihome.com

CHINA
m+p international China Co., Ltd.
Phone: +86 512 6510 0765
sales.cn@mpihome.com

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