

VibPilot

NEW!

Vibration Controller & Dynamic Signal Analyzer

**Small in Size.
Huge in Performance.**



- The All-in-One Device for Professional Vibration Testing and Dynamic Signal Analysis
- High-Precision Measurement and Outstanding Real-Time Performance in a Compact Design
- 4- and 8-Channel Input – Easily Expandable
- Operation Indoors and Outdoors in Any Environment

Dynamic Signal Analysis

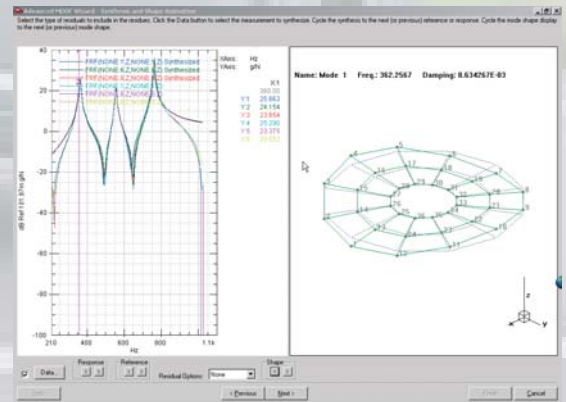
VibPilot fully supports m+p international's SO Analyzer software for accurate and efficient noise and vibration measurements, third-party data import/export, data analysis and reporting of your results.

With the SO Analyzer software, VibPilot provides all the hardware features in one box for the widest range of applications in dynamic signal analysis:

- General data acquisition
- Time history recording (throughput to disc)
- Modal analysis
- Rotating machinery testing
- Impact testing
- Acoustic analysis
- Environmental testing
- Vehicle pass-by-noise testing

VibPilot's 24-bit resolution A/D converters and its excellent dynamic range provide the necessary precision to make the SO Analyzer well suited for the most demanding tasks in dynamic signal analysis in the field and in the laboratory. The fan-less, noise-free operation of the VibPilot enables noise measurements requiring a quiet environment. Two tachometer inputs are included with 32-bit high-speed up/down counters for measuring synchronous signals on rotating machines or for use as COLA synch inputs for shaker sine reduction applications.

With a multi-channel analyzer such as the VibPilot it is crucial to have a powerful tool for central management of the potentially large data sets acquired. Therefore the SO Analyzer software provides you with comprehensive capabilities for



browsing, viewing, editing, analysing and reporting data as well as with full ActiveX compliance.

With the 4/8-channel VibPilot, m+p international sets a new standard for affordable performance in vibration control and dynamic signal analysis.

VibPilot is based on the latest generation of IC technology resulting in high-precision measurement ability and impressive real-time performance in signal analysis. Equipped with 24-bit sigma-delta A/D converters with up to 102.4 kHz sampling rate, the VibPilot allows for alias-protected measurements in a frequency range up to 40 kHz and with more than 120 dB spurious-free dynamic range.

Compact and rugged, VibPilot has a robust look and feel and has a clearly arranged front panel with four or eight BNC connectors. Thanks to its dust-proof design you can operate it indoors or outdoors even under harsh conditions. VibPilot provides USB 2.0 connectivity to a host PC or laptop and is operated by either an external AC mains power supply or alternatively, by a 9 – 36 V DC supply, e.g. for in-car operation.

To extend input channel capability it is possible to synchronize two or more VibPilot devices by means of the clock in/clock out circuitry without influencing their performance. This allows you to use additional channels (e.g. 2 x 8 input channels) or to combine vibration tests and dynamic signal acquisition applications with ease.

**Small in Size.
Huge in Performance.**

Eight digital inputs and outputs for remote control

Compact, rugged, dust-proof chassis: 211 x 50 x 190 mm

DC supply e.g. for in-car operation



VibPilot

Are you searching for a compact multi-channel instrument meeting the most demanding requirements of today's vibration testing and/or dynamic signal analysis?

An instrument that handles general data acquisition and signal processing tasks as reliably as sine, random, shock and mixed mode testing, modal analysis, rotating machinery testing, acoustics, etc.?

A mobile, yet powerful and highly precise instrument that covers the complete measurement process from acquisition to reporting and can be operated in any environment?

Then m+p international's VibPilot should be your first choice.

Benefit from the affordable excellence of the VibPilot:

- 4 or 8 analog input channels – expandable
- 102.4 kHz simultaneous sampling
- ICP sensor conditioning
- TEDS support
- 2 source output channels
- Safety shutdown for source channels
- 2 tacho inputs
- 8 digital inputs and 8 digital outputs
- DSP powered real-time processing
- Multiple VibPilot synchronisation
- USB 2.0 host interface
- Compact, dust-proof, rugged housing
- Fan-less, noise-free operation
- AC/DC supply, only 20 W power consumption

VibPilot is delivered with 12-months or optionally 24- or 36-months warranty and with a full calibration certificate. For us your system operational reliability is one of the major criteria for promoting sustained and long-cooperation with our customers. We offer return to m+p repair service including an optional guaranteed 24-hours back-to-operate as well as factory re-calibration at m+p international as well as on-site calibration.

To keep you ahead of your competition, VibPilot is designed to put the products you test at the forefront of performance, durability and quality.

Please refer to the VibPilot, VibControl and SO Analyzer brochures and product information sheets for detailed specifications.

VibPilot, VibControl and SO Analyzer are products of m+p international. All trademarks and registered trademarks are the property of their respective holders.

Specifications subject to change without notice.

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