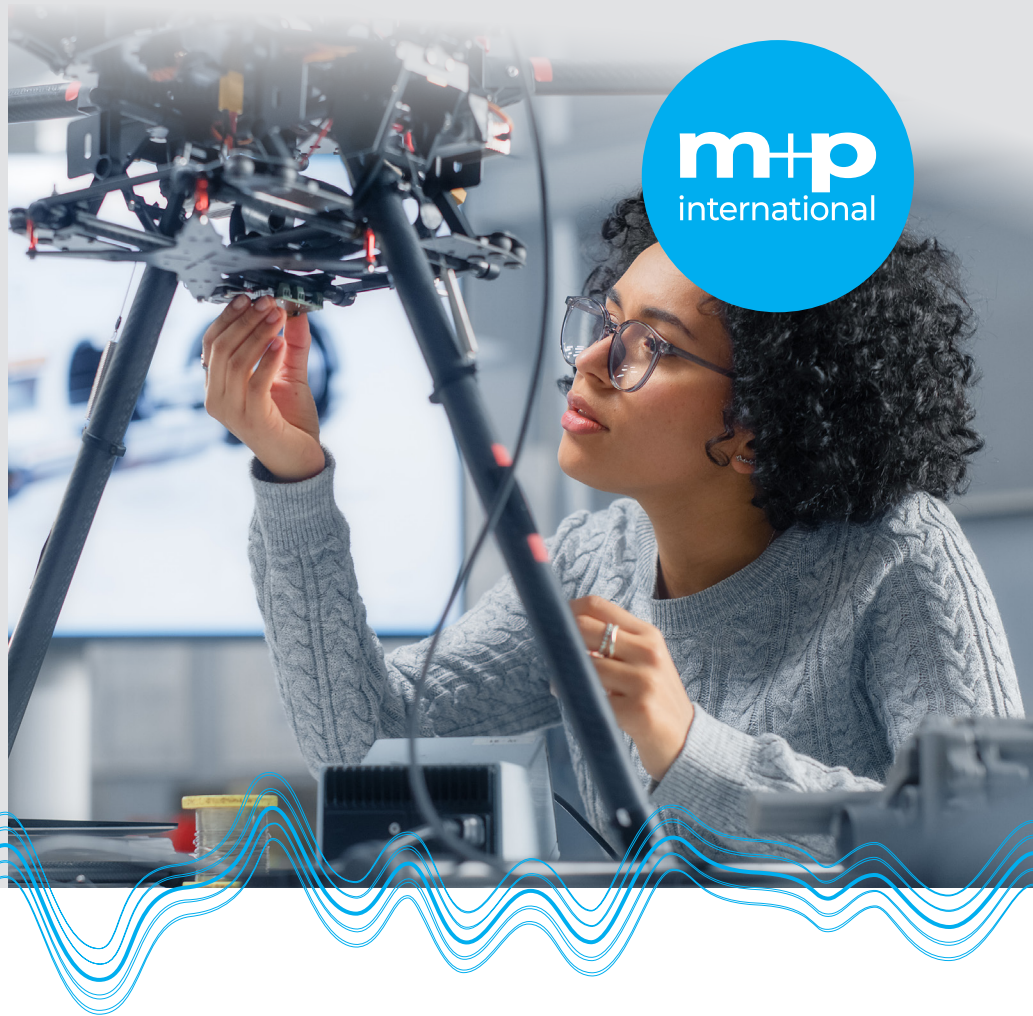


Update Note

m+p Analyzer Release 5.5

We are pleased to present the new revision 5.5 of our m+p Analyzer dynamic signal analysis software. Many of the new functions are based on your suggestions and wishes, because our ambition is to make your daily work as easy and efficient as possible.



Overview of Release Contents



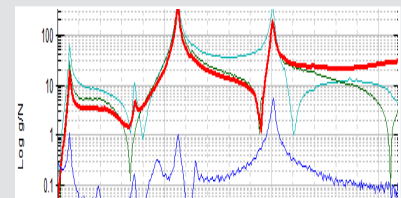
New Application Highlights

- Automatic pole selection in MDOF
- Sound power measurements according to ISO 3744/3745/3746 including time history mode
- Online level checks during SRS tests
- Shock capture according to ISO IEC 60068



New Automation and Data Access Interfaces

- API access with sample programs
- Direct throughput file access from MATLAB®
- UNV enhancement to allow usage of alphanumerical node names
- Local to global coordinate conversion of measurement data



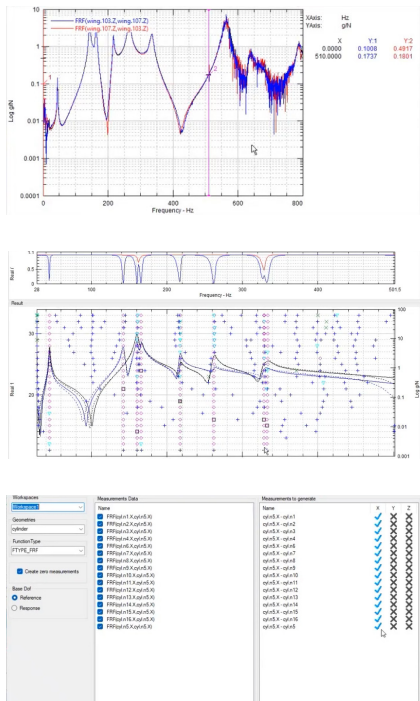
New Quality of Life Features

- Trace highlighting
- Export animations as GIF
- File import via drag and drop
- Preview of filter characteristics
- Reciprocity checker

Key Features for Your Testing Success

- Compatibility with wide range of sensors and signals for future-proofing
- Clearest test picture with optimal data visualization for different test types
- Customization to meet your specific requirements
- Secure, fast and efficient data access with high-speed SQL-based data storage
- Import 3rd party files for analysis and integration of all related data for common reporting
- Supports standard hardware (m+p international, NI)
- Proven performance and product evolution for long-term reduced cost of ownership

Modal Analysis



New FRF Reciprocity Check Add-In

Confirming the reciprocity of measured FRFs is an easy way to double check high measurement quality. The FRF between excitation at location A and response at location B should be the same as vice versa (excitation B -> response A). The new add-in automatically selects matching FRFs and gives clear error and correlation metrics.

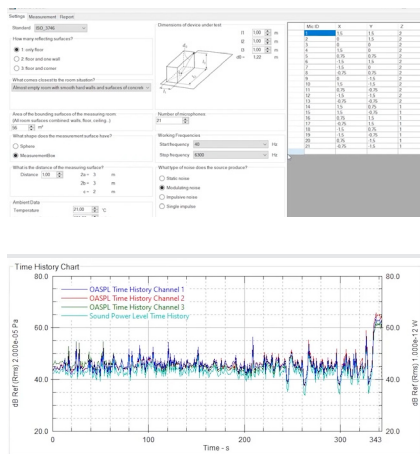
New Automatic Pole Selection

The time spent performing modal analysis can be greatly reduced by allowing the state-of-the-art selection algorithm choose the right poles from the stability diagram. It improves modal model quality by reducing errors, even for difficult scenarios, such as same frequency modes.

Transforming FRF Coordinate Systems

Comparing measurement and simulation data requires transformation between global simulation coordinates and local measurement coordinates. Using local measurement coordinates is preferred due to curvature or measurement location limitations. m+p Analyzer transforms the coordinate systems automatically for direct comparison.

Sound Power Analysis



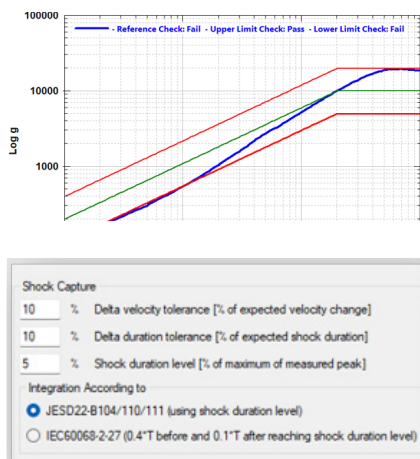
Standards Compliant Sound Power Measurement

The new m+p Analyzer sound power tool provides clear guidance and delivers best measurement data quality for sound power measurements according to ISO 3744, 3745 and 3746. Microphone positions are automatically calculated based on the test objects and environmental conditions.

Time History Sound Power Analysis

Test objects with different operation modes, some quieter and some louder, like washing machines or refrigerators, require time history data for assessing sound power. Time history mode measures sound power every second to detect changes in emitted sound that would otherwise be averaged out.

Shock Testing



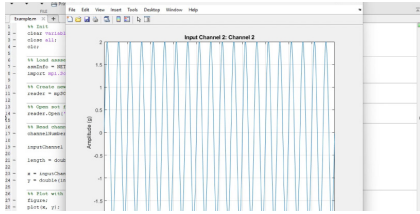
SRS Online Limit Checks

Automatic online checks if a measured SRS is within specification prevents errors and misjudging, especially when the measured SRS is close to the limit. A clear fail/pass indication allows the testing specialist to increase workflow efficiency by quickly deciding to accept or repeat the measurement with freely configurable acceptance criteria.

Industry Standard Shock Capture

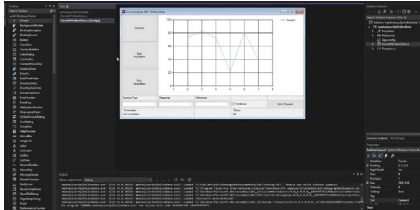
Shock capture according to ISO 60068-2-27 and JESD22-B104/110/111 provides compliant methods for shock testing multipurpose and microelectronic applications. Measurement signal integration is performed automatically according to criteria specified in the standards.

Data Access Interfaces



MATLAB® and Python Access to .sot Files

Throughput data files can be directly accessed by any application that supports .NET like MATLAB® and Python. Data access without exporting to different formats supports time saving and efficient automation scripts. The data can even be accessed through individual C# code.



API Access

The provision of comprehensive API access to core functions enables seamless integration of the m+p Analyzer into complex workflows. Data acquisition parameters can be modified, data can be recorded and complex analysis operations can be conducted automatically.

m+p Analyzer Support



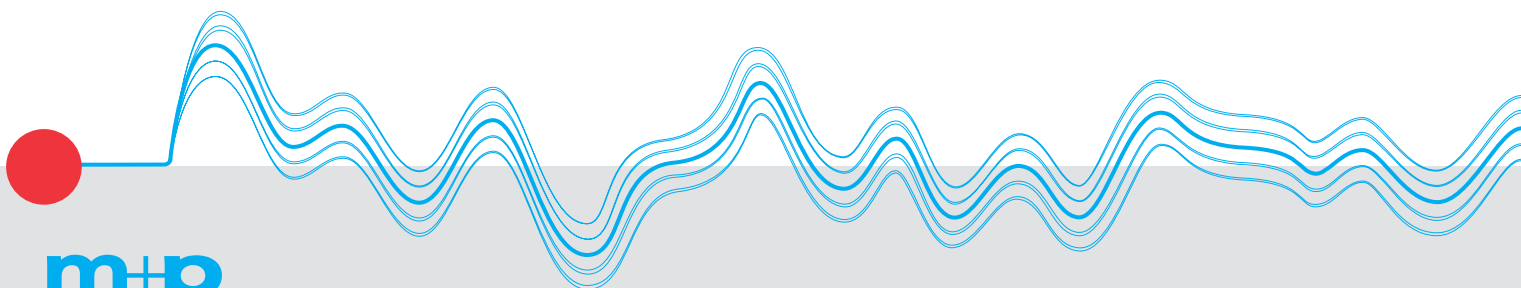
Documentation & Contact

The following datasheets are available for more information:

- m+p Analyzer DSA – complete overview
- m+p Analyzer Modal Application Module
- m+p Analyzer Rotate Application Module
- m+p Analyzer Shock Application Module

Contact us via info@mpihome.com to:

- Receive a free trial version of the m+p Analyzer software
- Discuss your individual requirements and questions



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