

Inexpensive Start to Noise and Vibration Analysis imc WAVE Starter Pack with full functionality



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imc Test & Measurement GmbH presents the imc WAVE Starter Pack. The Starter Pack consists of imc WAVE measurement data software bundled together with a USB measurement amplifier and microphones or vibration sensors. As a result, technicians and engineers have a complete package that provides an inexpensive start to the analysis of noise and vibration, and to perform fundamental analyses.

imc WAVE Starter Pack gives the user everything he or she needs to start performing noise and vibration analysis inexpensively. It contains imc WAVE, a powerful tool for data analysis, as well as low-cost USB hardware for data acquisition. The Starter Pack “Noise” also contains either one or two IEPE microphones, while the “Vibration” pack includes either one or two IEPE acceleration sensors.

imc WAVE offers numerous ready-to-run functions for evaluating noise levels and aggregate sound power levels, as well as functions for the vibration analysis of machines. This makes the imc WAVE Starter Packs an ideal solution for the acquisition and analysis of single or dual channel applications. For multichannel measurement, imc WAVE can be connected to imc measurement systems.

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The comprehensive functions of imc WAVE – the “work station for acoustic and vibration engineering” – are suitable for measurement according to industry norms as well as for analyses in the development environment. When used in conjunction with imc measurement systems, imc WAVE allows an integral approach to data processing. Through the acquisition and evaluation of correlated measurement quantities, it is possible to determine the causes and dependencies of acoustic parameters for operating conditions. As well as noise and vibration data, imc WAVE is capable of acquiring data relating to temperature, measurement with strain gauges and GPS, and of directly integrating information from vehicle and machine buses such as CAN, CAN FD, XCPoE, and more. Furthermore, imc WAVE can be extended with imc FAMOS so that users can conduct and prepare their own analyses, evaluations and reports.

All information about the imc WAVE Starterkit as well as demo experiments are available via <https://www.imc-tm.com/products/measurement-software/imc-wave-nvh-analysis/starterkit/>.

imc Test & Measurement GmbH

imc Test & Measurement GmbH is a manufacturer and solution provider of productive test and measurement systems. Together with its customers from the fields of automotive engineering, mechanical engineering, railway, aviation and energy, imc implements metrological solutions for R&D, service and manufacturing. Every day customers use imc measurement devices, software solutions and test benches to validate prototypes, optimize products, monitor processes and gain knowledge from measurement data. The performance promise "productive testing" is consistently pursued by imc. The company offers its customers top technological performance along the entire measurement chain.

The core of the product portfolio consists of imc's modular measurement, control and automation systems, which are supplemented by custom-fit sensor and telemetry systems for customer applications. Using the imc software platform, users can quickly and easily implement comprehensive test and measurement processes, perform real-time analyses and automate test benches. With powerful software tools for the analysis and management of test and measurement data, as well as cloud services, imc sets trends in future technologies, such as smart data analysis, and brings measurement technology solutions to industry 4.0 and the Internet of Things (IoT).

imc has particular expertise in the design and production of turnkey electric motor test benches. Equipped with state-of-the-art test procedures, such as load-free acquisition of motor parameters and automated test sequences, they accelerate customer testing. imc test benches work reliably worldwide, both in R&D and in production environments.

As a solution provider, imc offers its customers an attractive range of services. These include project consulting, contract measurements, data evaluation, outsourcing of specialists, customer-specific software development and system integration.

imc customers benefit both nationally and internationally from a strong expertise and sales network that implements test and measurement solutions locally in more than 25 countries.

Founded in 1988 in Berlin, the company employs around 250 people at three locations in Germany. Together with other companies, imc forms the "imc group". These include the international headquarters in France, Switzerland, the Netherlands, the USA and China, as well as the German sensor and telemetry specialist CAEMAX Technologie GmbH. A strategic partnership also connects imc with the telemetry specialist KMT Krauss Messtechnik GmbH.

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