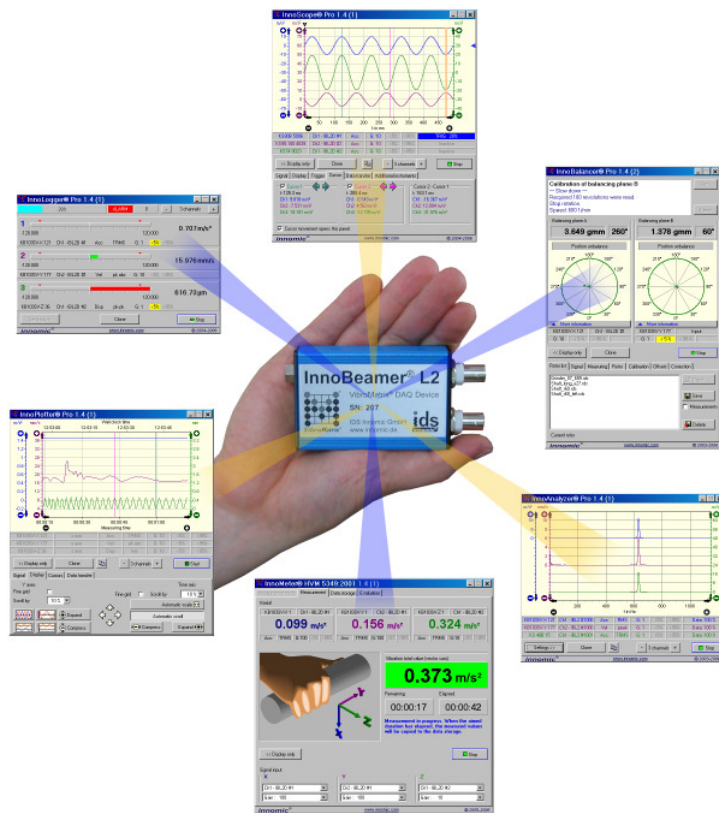


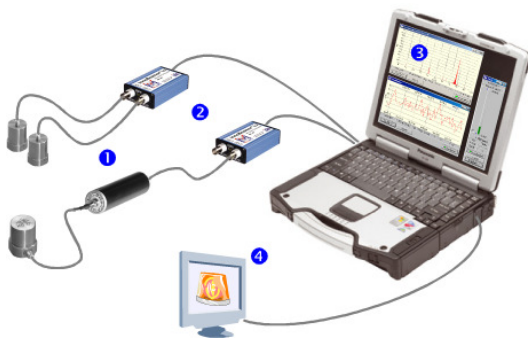
VibroMatrix' Features:

- **Powerful:** All instruments work simultaneously and in real-time
- **Cost-effective:** Existing investments are used
- **Modular:** Extend instruments and measuring channels acc. to requirements
- **Teamwork:** Record raw data on site, send it by e-mail and let it be analysed in main office
- **Time-saving:** uniform control elements for a quick orientation, quickly ready for operation by saving „workspaces“



It works that easy:

- 1 IEPE sensors are connected directly, sensors with charge output by in-line charge amplifier to the InnoBeamer.
- 2 InnoBeamers transmit the sensor data by USB interface and they are supplied by USB interface as well.
- 3 Instruments display the required information about the vibration state in real-time on the screen.
- 4 Optionally you let the instruments alarm you automatically or let them supply you with measured data - all over the world.



VibroMatrix Software Instruments:

InnoMeter

Vibration meter with numerical display

InnoPlotter

Digital strip chart recorder for vibration parameters

InnoLogger

Data recorder for vibration signals and parameters

InnoScope

Digital oscilloscope for fast vibration and impuls signals

InnoAnalyzer

Frequency and vibration analyzer

InnoAnalyzer Speed

Vibration analyzer for measurements at run-up and coast-down

InnoBalancer

Single and Two-Plane-Balancing of rigid rotors

InnoMeter HVM 5349:2001

Human hand-arm vibration measurement acc. to ISO 5349 and 2004/44/EC

InnoMeter HVM 2631:1997

Human whole-body vibration measurement acc. to ISO 2631 and 2002/44/EC

InnoMeter HVM 6954:2001

Measurement of vibrations on ships acc. to DIN 6954

InnoMeter 4150-3:1999

Measurement of vibrations in buildings acc. to DIN 4150-3

VibroMatrix' Functions

Solving vibration measurement tasks systematically: VibroMatrix is a modular and digital system for vibration measurement. It offers a complete solution for the detection of vibration problems, for cause study concerning these problems and their systematic reduction.

Diversified application area: The freely adjustable filters of many VibroMatrix software instruments enable you to fulfill different demands. Whether ISO 10816 for machine vibration measurement, DIN 4150 for vibrations in the construction sector or producer-specific vibration standards - we are at your disposal to explain more detailed how VibroMatrix solves your measurement task.

Modern measurement: VibroMatrix displays the measuring instruments on the screen. Thus you can immediately find the data where it is needed later - on your PC. The instruments work simultaneously and in real-time, you can see what is going on at once.

On-line and off-line: Simultaneously with real-time analysis, sensor signals can be saved with full information content and analysed later. The notebook is integrated: During measurement, you can simply add notes to the data stream. During replay, they are indicated again at the correct time.

Alerting included: By means of event messengers, you let the instruments send signals in case of alarm states: Alarm lamps are radio-controlled or status information is sent by e-mail, optionally together with a measurement report.

Saving Time with VibroMatrix

Adjusted to the task: In VibroMatrix, the functionality is distributed among several instruments (see right). Consequently you only operate instruments which are necessary to solve your measurement task. The additional functionality remains hidden and does not disturb the measurement.

Quick orientation: Many control elements can be found uniformly in all instruments. If you know one instrument, you already know a part of the others as well.

Ready for operation quickly: VibroMatrix saves arrangements of instruments and their configuration in "workspaces". If you have to carry out a specific task repeatedly, you save the configured workspace once and have it at hand quickly when required.

Saving Costs with VibroMatrix

Protection of investments: VibroMatrix is a complementary solution to an often already existing PC. With VibroMatrix, you only invest in vibration measuring instrumentation and avoid unnecessary double investments for additional displays, input devices, computer power etc.

Investing systematically: VibroMatrix is highly modular. You buy hard- and software according to your current demands and complete it later when required. We will keep VibroMatrix compatible and expandable.

Buy 1 - use 4: The clone function of VibroMatrix enables you to operate instruments simultaneously with up to 4 instances, although you only bought one instrument.

Flexibility through leasing: For a fractional amount of the purchase price, Vibromatrix also allows you to use an instrument for a limited time only. That option is suitable if you already purchased VibroMatrix, but need a special instrument for rare applications. You acquire leasing time and decide when to use it on your own. Neither connection to the Internet nor an extra dongle are required.

VibroMatrix® - The Modules

InnoBeamer®

Handy measurement device in a rugged aluminium housing, directly supplied by USB. Piezoelectric sensors with integrated amplifier are connected.



InnoMaster®

Administration of all modules: Sensors, devices, measuring channels, instruments, projects, views.

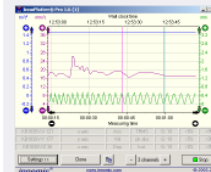
InnoMeter®

Digital vibration meter



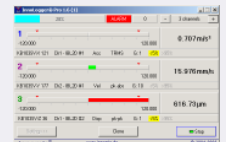
InnoPlotter®

Strip chart recorder



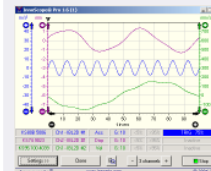
InnoLogger®

Logging instrument



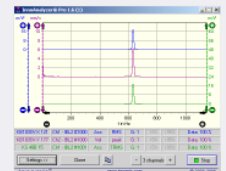
InnoScope®

Digital oscilloscope



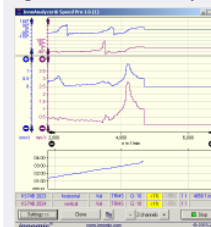
InnoAnalyzer®

Frequency analyzer



InnoAnalyzer Speed® Pro

Frequency analyzer for run-up/coast-down analysis



InnoBalancer®

Balancing software (Single and Two-Plane)



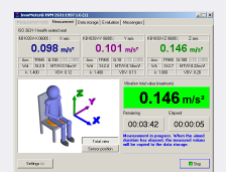
InnoMeter® HVM 5349

Measurement of human hand-arm vibrations acc. to ISO 5349



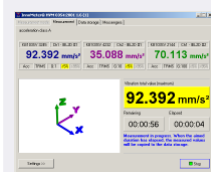
InnoMeter® HVM 2631

Measurement of human whole-body vibration acc. to ISO 2631



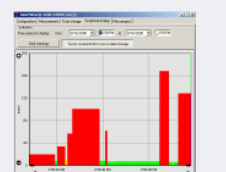
InnoMeter® HVM 6954

Measurement of vibrations on ships acc. to DIN ISO 6954



InnoMeter® 4150-3

Measurement of vibrations in buildings acc. to DIN 4150-3



— D e u t s c h l a n d —

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