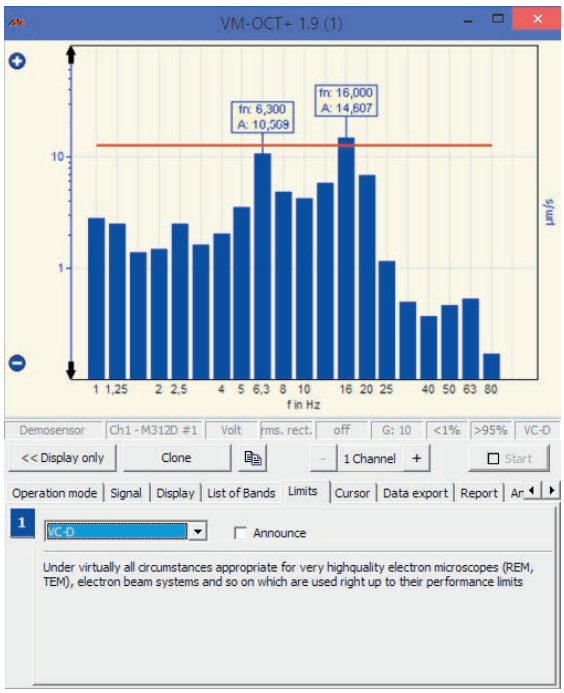
PC Based Octave Band Analyzer

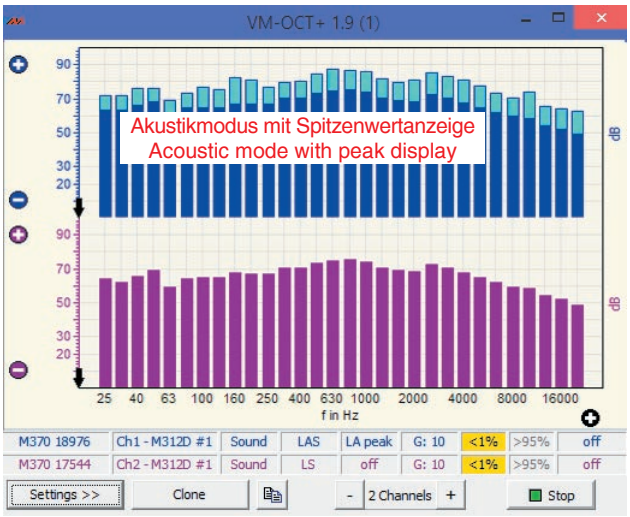
7.1.6
PC Data Acquisition

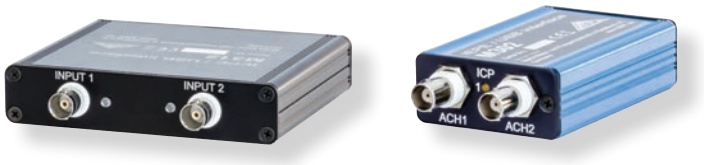
Vibro Metra

NEU
NEW

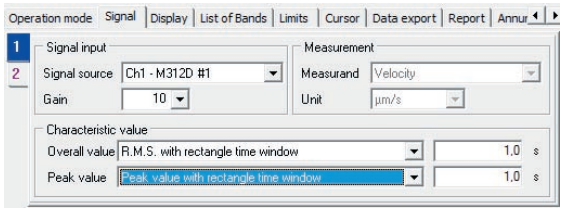
VibroMetra
VM-OCT+

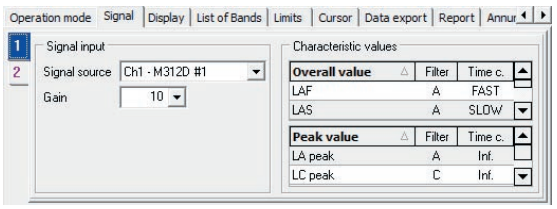






PC based measuring system using the IEPE / USB interfaces M302 or M312 and IEPE compatible accelerometers or microphones.





Application details

- Vibration monitoring of very sensitive equipment, like electron microscopes, nanotechnology, photolithography in microelectronics and other semiconductor equipment in research and production
- Evaluation and monitoring of vibrations with regard to vibration criteria “VC” and “Nano”
- Sound pressure level analysis with frequency weightings

Properties

- Octave band, third-octave and 1/6 octave analysis
- RMS and peak spectrum
- Predefined “Nano” lines to VDI 2038-2
- Frequency weightings for acoustics
- Free adjustable limit curves
- Cursors for read-out
- Data export as graphics and table
- Permanent monitoring with E-mail alerts and other alarm devices
- Free update service from our website www.MMF.de

Notice: The software is bilingual English / German

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Technical Data

Notice: For each channel a separate software license is required.

	VM-OCT+
Function	Octave / third-octave analyzer
Measurands	Vibration velocity, sound level*
Measuring units	µm/s; dB
Calculations	RMS and peak value (rectangular / exponential window), interval peak value Sound pressure level with A and C frequency weighting as peak; fast / slow time weighted; equivalent continuous sound level; daily noise exposure; unweighted sound pressure
Frequency range	Pre-adjusted for VC and Nano: 1 .. 100 Hz; acoustics: 20 .. 20 000 Hz*
Operation modes	VC criteria; Nano criteria; acoustics
Number of traces per window	1 .. 4
Refresh rate	1 / 8 / 16 s^{-1}
Amplitude list	1 .. 20 bands; sorted by amplitude or center frequency
Cursors	2 lines; adjustable by mouse or click button; output of cursor values and differences
Limit curves	Graphical input; 100 points (acoustics); VC-A; VC-B; VC-C; VC-D; VC-E; VC-F; VC-G; Nano-D; Nano-E; Nano-EF
Data export	Manual, time or event triggered as bitmap, PNG, EMF or text in clipboard or file
Event messaging	At trigger an E-mail with measuring data is sent
Report function	With text variables and placeholders for measuring values and graphics free configurable
Recommended hardware	IEPE / USB sensor interface M312 or M302*; high sensitivity accelerometers KB12VD, KS48C and KS823B, IEPE microphones

* Acoustic measurements only with M312

Notice: A free trial version of VibroMetra can be downloaded from our website www.MMF.de.

Specifications subject to change without prior notice.

Metra Meß- und Frequenztechnik in Radebeul e.K.

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