



## Application

- Software module of the PC based vibration measurement system VibroMetra
- Modal analysis
- Finding and eliminating vibrations
- Roller bearing fault detection
- Production quality control
- Tool for maintenance technicians
- Acoustical analysis with IEPE microphones

## Properties

- Synchronous display of up to four FFT spectra per window
- High frequency resolution
- Five windowing functions
- Power spectral density (PSD) in VM-FFT+
- Envelope spectrum for roller bearing monitoring in VM-FFT+
- Two operating modes for users with and without FFT experience
- Two measurement cursors
- Export as bitmap, PNG or text file manually or periodically
- Off-line diagnosis of previously recorded raw data

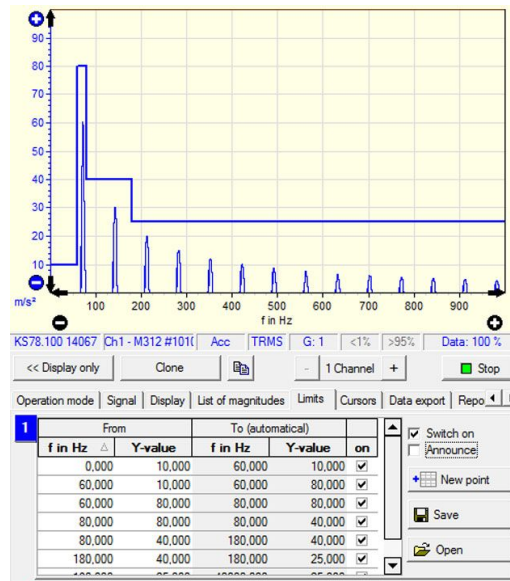
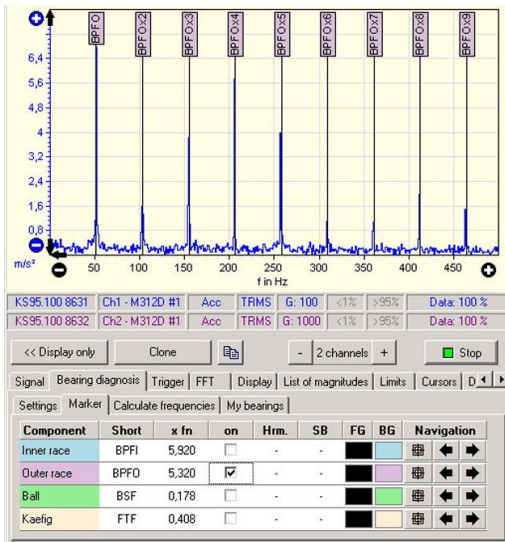
## Technical Data

	VM-FFT	VM-FFT SE	VM-FFT+
Spectrum of vibration acceleration	yes	yes	yes
Spectrum of vibration velocity	no	no	yes
Spectrum of vibration displacement	no	no	yes
Spectrum of force; pressure; sound pressure	yes	yes	yes
Power spectral density (PSD)	no	no	yes
Envelope analysis	no	no	yes
Bearing type Isit	no	no	>20000 bearings
Limit line	no	no	100 points
Action at limit line crossing	no	no	Email
List of highest amplitudes	no	no	20 amplitudes
Frequency response function (FRF)	no	no	yes
Acoustic weightings	no	no	A; C; linear

Frequency analysis	FFT
	Up to 524288 points
	Resolution <0,001 Hz
	Overlapping 0 to 99 %
Measurands	Peak value; RMS; phase
Windowing functions	Square; Bartlett; Blackman; Hamming; Hann; Flattop
Frequency range	0.1 to 40000 Hz
Statistic functions	Mean; square mean; maximum
Triggering	Amplitude; digital input
Data export	manual/periodical (>1 s) as PNG; BMP; EMF; Text

**Optional accessories** M312B USB sensor interface

**Notice** A free trial version of VibroMetra can be downloaded from our website [www.MMF.de](http://www.MMF.de).



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