



## Application

- Software module of the PC based vibration measurement system VibroMetra
- Order analysis
- Run-up/coast-down analysis
- Resonance finding
- Finding and eliminating vibrations

## Properties

- Rotation speed coupled vibration analyzer
- Measurement of vibration magnitude and phase angle at the rotary frequency or multiples
- High pass and low pass filters
- Two measurement cursors
- Up to four graphs per diagram
- Export as bitmap, PNG or text file manually or periodically
- Off-line diagnosis of previously recorded raw data

## Technical Data

	VM-TRACK	VM-TRACK+
Spectrum of vibration acceleration	yes	yes
Spectrum of vibration velocity	no	yes
Spectrum of vibration displacement	no	yes
Spectrum of force; pressure; sound pressure	yes	yes
Frequency analysis	Order analysis	
	Rotation speed resolution 3 to 1200 min <sup>-1</sup>	
	Order freely adjustable; m : n (m, n: 1 ..1 000)	
Measurands	Peak value; peak-to-peak value; RMS; phase	
Frequency axis	min <sup>-1</sup> or Hz	
Frequency range	0.1 to 40000 Hz	
<b>Optional accessories</b>	M312B USB sensor interface VM-PS photoelectric reflex switch	

## Notice

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

Signal | Measuring run | Display | Cursors | Data export | Report

Measuring method: Run-up analysis

Speed resolution: 12 1/min

Speed range: min [1/min] 60, max [1/min] 3000

Suggestion for speed ramp: Postprocess rotation speed

Shorter measurement | More precise measurement

Ramp: 0.24 Hz/s = 14.4 1/min/s

Duration: 3:24 min:sec

Averages: 1 at 60 1/min, 41 at 3000 1/min

Signal input | Filter | Measurement

Order analysis  
 Order analysis with prefiltering  
 Overall value

Order: 1 : 1

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