

## Application

- Software module of the PC based vibration measurement system VibroMetra
- Measurement of vibrations in buildings to DIN 4150-3
- Monitoring of buildings during construction works
- Measurement of vibration immissions from the industry
- Measurement of vibrations caused by road or rail transport
- Evaluation of the impact of explosions on buildings
- Documentation of building vibrations for verification purposes

## Properties

- Measurement of building vibration in three orthogonal axes and main vibration frequency
- Recording of vibration events and real-time signals
- Generation of individualized reports
- User guidance corresponding to the standard
- Traceability of single vibration events possible
- Offline processing of stored measurement data
- FFT analysis of vibration events with VM-STRUC+
- Available as kit including hardware and sensor

## Technical Data

	VM-STRUC	VM-STRUC+
Event analysis	no	FFT
Measurand	Peak value of vibration velocity (PPV)	
Filters	1 to 80 Hz and 1 to 315 Hz	
Operating modes	Permanent and short-time vibration	
	Residential, listed and industrial buildings	
	Pipelines	
Data storage	Up to 100000 events with detailed information	
Indication	Peak values X/Y/Z;	
	vector sum	
	Main frequency	
	Measurement duration	

**Optional accessories** M312B USB sensor interface (2 units needed)  
 KS823B triaxial accelerometer with accessories  
 Tripod floor plate 729

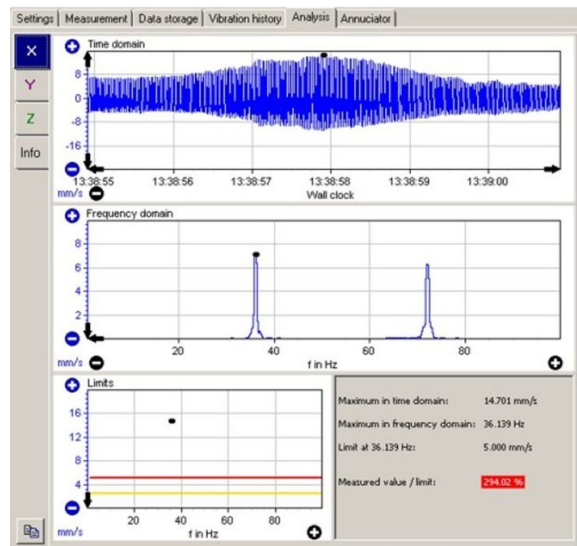
**Notice** A free trial version of VibroMetra can be downloaded from our website [www.MMF.de](http://www.MMF.de).

Measurement mode	Date	Time	Max (mm/s)	Assessment
short time vibrational excitation residential building foundation	21.02.2013	10:08:10	2.596	acceptable
1. warning threshold exceeded	21.02.2013	10:08:10	2.596	acceptable
2. no events	21.02.2013	10:21:01	2.490	good

Overall assessment	
short time vibrational excitation residential building foundation	
Measurement performed on	21.02.2013 at 10:08:10
Duration	00:12:50
Time constant (s)	3.000
Assessment	52%
at frequency (Hz)	X: 7.939 Y: 7.939 Z: 7.939
Value (mm/s)	X: 0.438 Y: 0.239 Z: 2.596
Limit value (mm/s)	X: 5.000 Y: 5.000 Z: 5.000
Maximal value (mm/s)	X: 0.438 Y: 0.239 Z: 2.596
at frequency (Hz)	X: 7.939 Y: 7.939 Z: 7.939
Your remarks	

Warning! Low signal during whole measurement [gain too low?]



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