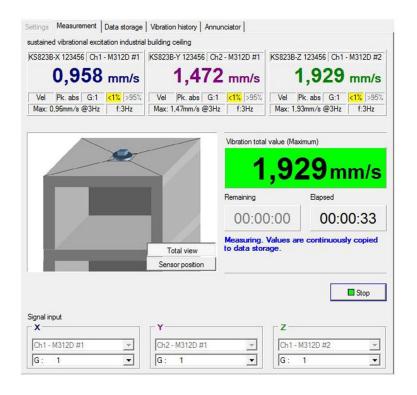
Software Module Building Vibration

VM-STRUC





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 bildings				
	Pipelines				
Data storage	Up to 100000 events with detailed information				
Indication	Peak values X/Y/Z;				
	vector sum				
	Main frequency				
	Measurement duration				

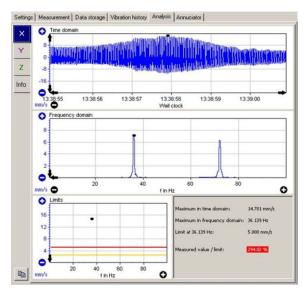
Optional accessories

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.

asurement mode	I.	Date	Time	Max (mm/s	Assessment
ort time vibrational excitation residential building foundatio	T	21.02.2013	10:08:10	2.596	acceptable
warning threshold exceeded	Т	21.02.2013	10:08:10	2.596	acceptable
no events	Т	21.02.2013	10:21:01	2.490	good
verall assessment ort time vibrational excitation residential building foundation Beaurement performed on 21.02.2013 at 10:08:10 uration 001.252 sessement 2 3.000 sessement 2 3.000 sessement 2 2.02 tifrequency (Hz) XI. 7.939 via U (mn/s) XI. 0.300 via U (mn/s) XI. 7.939 via Termarka 2.7.939 via U (mn/s) XI. 7.939 via U (mark) XI. 7.939 <th></th> <th>Load rec</th> <th>older s\Public\Do Read data fi Copy to</th> <th>data folder: ent 21-02-2013</th> <th>Cave</th>		Load rec	older s\Public\Do Read data fi Copy to	data folder: ent 21-02-2013	Cave



Manfred Weber

Metra Mess- und Frequenztechnik in Radebeul e.K.

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