

**The Appendix is an integral part of
Certificate of Accreditation No. 187/2022 of 19/04/2022**

Entity accredited according to ČSN EN ISO/IEC 17025:2018:

SVMTech s.r.o.
SVMTech CALIBRATION CENTRE
Počernická 272/96, Malešice, 108 00 Praha 10

CMC for the field of measured quantity: Mechanical motion, vibrations

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work-place
		min.	unit	max.	unit					
1	Acceleration of linear mechanical vibration of harmonic wave form / vibration standards ⁴	0.01 m·s ⁻²		to	700 m·s ⁻²	5 Hz to 6.3 kHz	1.2 %	Direct measurement with a standard	KP 01 (ČSN ISO 16063-21, ČSN ISO 16063-44)	
2*	Acceleration of linear mechanical vibration of harmonic wave form / vibration test systems ⁴	0.01 m·s ⁻²		to	700 m·s ⁻²	5 Hz to 2,5 kHz	1.2 %	Direct measurement with a standard	KP 01 (ČSN ISO 16063-21)	
3	Sensitivity of vibration sensors / vibration sensors ⁴	0.01 pC/m·s ⁻²		to	100 pC/m·s ⁻²	5 Hz to 10 kHz	1.1 %	Comparison with a standard	KP 01 (ČSN ISO 16063-21)	
		0.01 mV/m·s ⁻²		to	3,000 mV/m·s ⁻²	5 Hz to 10 kHz	1.1 %			
4	Acceleration / vibrometers with sensor ⁴	0.01 m·s ⁻²		to	700 m·s ⁻²	5 Hz to 6,3 kHz	1.2 %	Comparison with a standard	KP 01 (ČSN ISO 16063-21)	
	Velocity / vibrometers with sensor ⁴	0.01 m·s ⁻¹		to	700 mm·s ⁻¹	5 Hz to 6.3 kHz	1.2 %			

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95%. If not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

³ If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

⁴ Acceleration It can also be given in the units g, sensitivity of acceleration sensors in the units pC/g or mV/g, where 1 g = 9.81 m·s⁻²

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CMC for the field of measured quantity: Electrical quantities

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	DC Voltage / Multimeters, signal analyzers, vibrometers, controllers for vibration test systems	0 mV		to	100 mV		0.010 % + 0.0041 mV	Comparison with a reference multimeter	KP 02	
		100 mV		to	1 V		0.010 % + 0.010 mV			
		1 V		to	10 V		0.010 % + 0.10 mV			
	DC Voltage / Generators, controllers for vibration test systems	0 mV		to	100 mV		0.010 % + 0.0041 mV	Direct measurement with a reference multimeter	KP02	
		100 mV		to	1 V		0.010 % + 0.010 mV			
		1 V		to	10 V		0.010 % + 0.10 mV			
2*	AC Voltage / Multimeters, signal analyzers, vibrometers, controllers for vibration test systems	10 mV		to	100 mV	10 Hz to 20 kHz	0.10 % + 0.030 mV	Comparison with a reference multimeter	KP 02	
		100 mV		to	1 V	10 Hz to 20 kHz	0.10 % + 0.30 mV			
		1 V		to	10 V	10 Hz to 20 kHz	0.10 % + 3.0 mV			
	AC Voltage / Generators, controllers for vibration test systems	10 mV		to	100 mV	10 Hz to 20 kHz	0.10 % + 0.030 mV	Direct measurement with a reference multimeter	KP 02	
		100 mV		to	1 V	10 Hz to 20 kHz	0.10 % + 0.30 mV			
		1 V		to	10 V	10 Hz to 20 kHz	0.10 % + 3.0 mV			

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CMC for the field of measured quantity: Frequency

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	Frequency meters – multimeters, signal analyzers, vibrometers, counters, controllers for VTS	3 Hz		to	20 kHz	100 mV to 10 V	0.015 % + 1 mHz	Comparison with a reference multimeter	KP 02	
	Frequency generators – generators, controllers for VTS	3 Hz		to	20 kHz	100 mV to 10 V	0.015 % + 1 mHz	Direct measurement with a reference multimeter	KP 02	

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CMC for the field of measured quantity: Acoustic quantities and mechanical vibration

Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work- place
		min	unit	max	unit					
1	Microphone sensitivity	-90 dB (re 1V/Pa)		to	-20 dB (re 1V/Pa)	10 Hz to 20 kHz	0.07 dB	Comparison with a reference microphone	KP 03 (ČSN EN 61094-5 ed.2, ČSN EN 61094-6)	
2	Sound pressure level		dB (re 20.106 40 Pa)		dB (re 20.106 to 140 Pa)	31.5 Hz to 16 kHz	0.07 dB	Direct measurement with a reference microphone / comparison with a reference calibrator	KP 03 (ČSN EN IEC 60942 ed.2)	

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