

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

HOLAB, spol. s r.o.
CAB number 2358, Calibration Laboratory
Gellhornova 2231/4, 678 01 Blansko

CMC for the field of measured quantity: Mechanical motion

Ord. number ₁	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	Acceleration of rectilinear mechanical vibrations of harmonic run/vibration standards and vibration testing systems, vibrometers with a sensor ⁴	0.10 ms ⁻²		to	200 ms ⁻²	7 Hz to 10 Hz 10 Hz to 100 Hz 100 Hz 100 Hz to 920 Hz 920 Hz to 5 kHz 5 kHz to 10 kHz	2.0 % 1.4 % 1.0 % 1.2 % 1.6 % 2.0 %	Comparison with a reference sensor	KP 2.22 (ČSN ISO 16063-21)	
	Sensitivity of vibration sensor(s) ⁴	0.10 mV/ms ⁻² 0.10 pC/ms ⁻²		to	3,000 mV/ms ⁻² 100 pC/ms ⁻²	7 Hz to 10 Hz 10 Hz to 100 Hz 100 Hz 100 Hz to 920 Hz 920 Hz to 5 kHz 5 kHz to 10 kHz	2.0 % 1.4 % 1.0 % 1.2 % 1.6 % 2.2 %	Comparison with a reference sensor	KP 2.22 (ČSN ISO 16063-21)	

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 M, 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. The uncertainty value given here is based on the best laboratory conditions achievable; the uncertainty value of a particular calibration may be higher depending on the conditions of that calibration. For identical limit values of adjacent ranges, the lower uncertainty value always applies.

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 can be specified also in g units (gravitational acceleration), sensitivity of the sensors pC/g or mV/g, for 1g = 9,80665 ms⁻².

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CMC for the field of measured quantity: Temperature

Ord. number 1	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	Thermometers of thermal and climatic chambers and enclosures, measurement of temperature in equipment with temperature and humidity control	- 70 °C	to	0 °C		0.5 °C	Comparison with a reference digital thermometer	KP 1.09 (DKD-R 5-7, method A, B, C)		
		0 °C	to	100 °C		0.4 °C				
		100 °C	to	200 °C		0.5 °C				
		200 °C	to	250 °C		1.0 °C				
		250 °C	to	350 °C		1.4 °C				

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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 measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	DC Voltage / Signal analyzers, vibrometers, controllers for vibration test systems	0 mV	to	100 mV			0.0025 % + 0.00017 mV	Comparison with a reference multimeter	KP 3.23	
		100 mV	to	1 V			0.00090 % + 0.0006 mV			
		1 V	to	10 V			0.00070 % + 0.006 mV			
2*	AC Voltage - Peak value / Signal analyzers, vibrometers, controllers for vibration test systems	1 mV	to	100 mV	10 Hz to 40 Hz		0.08 % + 0.015 mV	Comparison with a reference multimeter	KP 3.23	
					40 Hz to 200 Hz		0.03 % + 0.009 mV			
					200 Hz to 2000 Hz		0.03 % + 0.008 mV			
					2 kHz to 20 kHz		0.04 % + 0.010 mV			
		100 mV	to	1 V	10 Hz to 40 Hz		0.06 % + 0.10 mV			
					40 Hz to 200 Hz		0.03 % + 0.15 mV			
					200 Hz to 2,000 Hz		0.02 % + 0.06 mV			
					2 kHz to 20 kHz		0.04 % + 0.10 mV			
		1 V	to	10 V	10 Hz to 40 Hz		0.06 % + 0.10 mV			
					40 Hz to 200 Hz		0.03 % + 0.15 mV			
					200 Hz to 2,000 Hz		0.02 % + 0.06 mV			
					2 kHz to 20 kHz		0.04 % + 0.10 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 measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	Frequency meters - Signal analyzers, vibrometers, counters, controllers for vibration test systems	1 Hz	to	100 Hz		100 mV to 10 V	0.001 % + 0.020 mHz	Comparison with a reference multimeter	KP 3.23	
		100 Hz	to	1,000 Hz		100 mV to 10 V	0.001 % + 0.20 mHz			
		1 kHz	to	10 kHz		100 mV to 10 V	0.001 % + 2.0 mHz			

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CMC for the field of measured quantity: Humidity

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	Hygrometers of thermal and climatic chambers and enclosures, measurement of humidity in equipment with temperature and humidity control	10 % RV		30 % RV		(18 to 32) °C	1.6 % RV 1.9 % RV 2.2 % RV	Comparison with a reference digital hygrometer	KP 1.09 (DKD-R 5-7, method A, B, C)	

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