

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

“TMV SS“ spol. s r.o.
Calibration Laboratory for the Calibration of Non-contact Temperature Gauges
Studánková č.p. 395, 149 00 Praha 4

CMC for the field of measured quantity: Temperature

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	Non-contact temperature gauges (thermal cameras) for MWIR (1.5 to 5.5)μm and LWIR (7.5 to 14)μm spectral bands.			-10 °C			1.5 °C	Comparison with a standard in the form of a cavity-type black body	PP11	
				12 °C			1.4 °C			
				25 °C			1.2 °C			
				35 °C			1.1 °C			
				55 °C			1.1 °C			
				58 °C			1.5 °C			
				80 °C			1.5 °C			
				100 °C			1.3 °C			
				120 °C			1.3 °C			
				150 °C			1.2 °C			
				200 °C			1.8 °C			
				250 °C			1.8 °C			
				300 °C			1.4 °C			
				350 °C			2.0 °C			
				400 °C			2.4 °C			
				500 °C			2.4 °C			
				600 °C			2.6 °C			
				700 °C			3.4 °C			
				800 °C			4.0 °C			
				900 °C			5.2 °C			
				1,000 °C			6.0 °C			
				1,100 °C			7.2 °C			
				1,200 °C			8.6 °C			

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		min.	unit	max.	unit					
2	Calibration of non-contact temperature gauges (Infrared thermometers) for LWIR (7.5 to 14)μm spectral band.			50 °C			3.5 °C	Comparison with a standard in the form of a board-type black body	PP11	
		50 °C	to	200 °C		3.6 °C				
		200 °C	to	300 °C		3.7 °C				
		300 °C	to	400 °C		4.3 °C				
		400 °C	to	500 °C		4.4 °C				

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).