



EA MLA Signatory  
Český institut pro akreditaci, o.p.s.  
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

# CERTIFICATE OF ACCREDITATION

No. 190/2024

**JD Dvořák, s.r.o.**  
with registered office V Holešovičkách 1448/14, 180 00 Praha 8 - Libeň,  
Company Registration No. 49621815

for the Calibration Laboratory No. 2298  
JD Dvořák, s.r.o., Calibration Laboratory

Scope of accreditation:

Calibration of temperature and humidity meters to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Conformity Assessment Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 672/2023 of 15. 12. 2023, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **26. 4. 2029**

Prague: 26. 4. 2024



Jan Velíšek  
Director of the Department  
of Testing and Calibration Laboratories  
Czech Accreditation Institute

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

**JD Dvořák, s.r.o.**  
CAB number 2298, JD Dvořák, s.r.o., Calibration Laboratory  
Toužimská 897/E3, 199 00 Praha 18 – Letňany

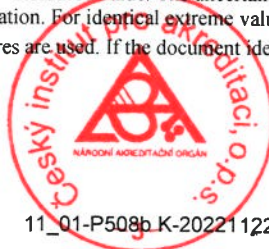
**CMC for the field of measured quantity: Temperature**

Ord. number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Location
		min	unit	max					
1*	Thermometers integrated in measuring chains of thermal and climatic chambers and enclosures and special-purpose enclosures, where heat can be generated	-70 °C	to	-45 °C		0.20 °C	Comparison with a reference thermometer in a gaseous environment	Internal method 1 (DKD-R_5.7 method C)	
		-45 °C	to	100 °C		0.17 °C			
		100 °C	to	200 °C		0.21 °C			
		200 °C	to	300 °C		0.9 °C			
		300 °C	to	400 °C		1.1 °C			
2*	Thermometers integrated in measuring chains of thermal and climatic chambers and enclosures and special-purpose enclosures, where heat can be generated	-70 °C	to	-45 °C		0.35 °C	Comparison with a reference thermometer in a gaseous environment	Internal method 3 (DKD-R_5.7 method A and B)	
		-45 °C	to	100 °C		0.27 °C			
		100 °C	to	150 °C		0.37 °C			
		150 °C	to	180 °C		0.75 °C			
3	Direct indication electronic thermometers, thermometers for air temperature measurement, temperature measuring chains, data loggers, outdoor thermometers	-70 °C	to	0 °C		0.45 °C	Comparison with a standard thermometer in a climatic chamber	Internal method 5	
		0 °C	to	100 °C		0.36 °C			
		100 °C	to	150 °C		0.57 °C			
		150 °C	to	180 °C		1.0 °C			

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

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a 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 measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

<sup>3</sup> 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).



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

**JD Dvořák, s.r.o.**  
CAB number 2298, JD Dvořák, s.r.o., Calibration Laboratory  
Toužimská 897/E3, 199 00 Praha 18 – Letňany

**CMC for the field of measured quantity: Relative humidity**

Ord. number <sup>1</sup>	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty <sup>2</sup>	Calibration principle	Calibration procedure identification <sup>3</sup>	Location
		min	unit	m unit	unit					
1*	Hygrometers integrated in measuring chains of climatic chambers and enclosures and special-purpose enclosures, where humidity and heat can be generated	10 % RH	to	30 % RH	(10 to 20) °C	1.7 % RH	Comparison with a standard aspiration hygrometer	Internal method 2 (DKD-R_5.7 method C)		
		30 % RH	to	95 % RH		2.3 % RH				
		10 % RH	to	30 % RH	(20 to 90) °C	1.5 % RH				
2*	Hygrometers integrated in measuring chains of climatic chambers and enclosures and special-purpose enclosures, where humidity and heat can be generated	30 % RH	to	95 % RH	(20 to 90) °C	1.9 % RH	Comparison with a standard aspiration hygrometer	Internal method 4 (DKD-R_5.7 method A and B)		
		10 % RH	to	30 % RH		1.6 % RH				
		30 % RH	to	95 % RH	2.0 % RH					
3	Hygrometers, measuring chains for measuring relative humidity, data loggers for measuring relative humidity	10 % RH	to	30 % RH	(90 to 95) °C	1.5 % RH	Comparison with a standard aspiration hygrometer in a climatic chamber	Internal method 6		
		30 % RH	to	95 % RH		1.7 % RH				
		10 % RH	to	60 % RH	(10 to 90) °C	2.3 % RH				
60 % RH	to	90 % RH	3.2 % RH							
		90 % RH	to	95 % RH		3.5 % RH				

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

<sup>2</sup> The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a 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 measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

<sup>3</sup> 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).

