



**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. 393/2023**

**Technický a zkušební ústav stavební Praha, s.p.**  
**with registered office Prosecká 811/76a, Prosek, 190 00 Praha 9,**  
**Company Registration No. 00015679**

**for the Calibration Laboratory No. 2275**  
**TZÚS Praha, s.p. Calibration Laboratory - TIS Branch**

**Scope of accreditation:**

**Calibration in the fields of length, plane angle, flow, force and hardness (of concrete), pressure and temperature 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.: 153/2022 of 25. 3. 2022, or any administrative acts building upon it.

**The Certificate of Accreditation is valid until: 25. 3. 2027**

**Prague: 20. 7. 2023**



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

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

Technický a zkušební ústav stavební Praha, s.p.  
CAB number. 2275, TZÚS Praha, s.p. Calibration Laboratory – TIS Branch  
Prosecká 811/76a, Prosek, 190 00 Praha 9

Calibration laboratory locations:

- 1. Technický a zkušební ústav stavební Praha, s.p. – TIS Branch  
Prosecká 811/76a, 190 00 Praha 9
- 3. Technický a zkušební ústav stavební Praha, s.p. – Branch 0200  
Nemanická 441, 370 10 České Budějovice

CMC for the field of measured quantity: Length

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>	Work place
		min	max					
1	Dial indicators	0 mm	to 100 mm		9 µm	Measurement on a spiral microscope	IP 0960K003	1
2	Slide gauges	0 mm 250 mm 450 mm	to 250 mm to 450 mm to 1,000 mm		0.015 mm 0.03 mm 0.05 mm	Measurement parallel gauge blocks	IP 0960K006	1
3 to 7	Reserved							
8	Electronic length sensors	0 mm	to 250 mm		0,01 mm	Measurement of parallel gauge blocks	IP 0960K005	1

<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).

Explanations and abbreviations:

L Measured length in m



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

Technický a zkušební ústav stavební Praha, s.p.  
CAB number. 2275, TZÚS Praha, s.p. Calibration Laboratory – TIS Branch  
Prosecká 811/76a, Prosek, 190 00 Praha 9

CMC for the field of measured quantity: Flow

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>	Work place
		min	unit	max					
1	Flowmeters that can be calibrated with water	0.005 m <sup>3</sup> /h	to	20 m <sup>3</sup> /h	cold water hot water cold water hot water	0.15 % 0.20 % 0.15 % 0.20 %	Mass method	IP 0960K011	1
2	Flowmeters that can be calibrated with water	0.005 m <sup>3</sup> /h	to	20 m <sup>3</sup> /h	cold water hot water cold water hot water	0.20 % 0.25 % 0.20 % 0.25 %	Volume method	IP 0960K011	1

<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:

Technický a zkušební ústav stavební Praha, s.p.  
CAB number. 2275, TZÚS Praha, s.p. Calibration Laboratory – TIS Branch  
Prosecká 811/76a, Prosek, 190 00 Praha 9

CMC for the field of measured quantity: Force, mechanical tests

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>	Work place
		min	unit					
1 *	Force / tensile testing machines and presses, working force gauges	1 N		to 30 N	0.080 %	Loading with weights	IP 0960K072	1
		30 N		to 200 N	0.040 %	Comparison with a standard force-proving instrument		
		200 N		to 20 kN	0.025 %			
		20 kN		up to 100 kN	0.060 %			
		1 N		to 30 N	0.080 %	Loading with weights		
30 N		to 200 N	0.040 %					
200 N		to 2 kN	0.025 %					
2 kN		to 100 kN	0.040 %					
		100 kN		to 500 kN	0.070 %			
		500 kN		to 1 MN	0.090 %			
		1 MN		to 5 MN	0.025 %			
		73 Rk		to 77 Rk	0.7 Rk		Check impacts on a standard anvil	
		79 Rk		to 83 Rk	0.7 Rk			
2	Hardness / Schmidt type hardness testers (for concrete and other materials)			Type L Type N			IP 0960K001	1

<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).

Explanations and abbreviations:

R<sub>k</sub> Offset value (dimensionless quantity) corresponding to 0.5 division of a scale





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

Technický a zkušební ústav stavební Praha, s.p.  
CAB number: 2275, TZÚS Praha, s.p. Calibration Laboratory – TIS Branch  
Prosecká 811/76a, Prosek, 190 00 Praha 9

CMC for the field of measured quantity: Pressure

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>	Work- place
		min	unit	max					
1	Deformation pressure gauges, electromechanical pressure gauges with pressure transducer or digital indication	0.025 MPa		to 60 MPa	positive gauge pressure liquid	0.08 %	Comparison with a standard piston pressure gauge	IP 0960K018	1

<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:

Technický a zkušební ústav stavební Praha, s.p.  
CAB number. 2275, TZÚS Praha, s.p. Calibration Laboratory – TIS Branch  
Prosecká 811/76a, Prosek, 190 00 Praha 9

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>	Work- place
		min	unit max					
1	Reserved							
2*	Direct-indicating thermometers, temperature measuring equipment	-40 °C 100 °C 250 °C 500 °C 900 °C	to to to to to	100 °C 250 °C 500 °C 900 °C 1,200 °C	0.3 °C 0.4 °C 1.4 °C 1.9 °C 2.7 °C	Comparison with a standard digital thermometer in a calibrated device	IP 0960K014	3
3 - 4	Reserved							

<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).

