



**EA MLA Signatory**  
**Český institut pro akreditaci, o.p.s.**  
(Czech Accreditation Institute)  
**Hájkova 2747/22, Žižkov, 130 00 Praha 3**

issues

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

# CERTIFICATE OF ACCREDITATION

**No. 419/2025**

**Industrial Technique Service s.r.o.**  
**with registered office Průmyslová 1428/10, 102 00 Praha 10**  
**Company Registration No. 64088511**

**for the Calibration Laboratory No. 2339**  
**ITS Calibration Laboratory**

Scope of accreditation:

Calibration in the fields of rotation angle and torque 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 abovementioned Accredited 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.: 357/2024 of 23/07/2024, and/or any administrative acts building upon it.

**The Certificate of Accreditation is valid until: 11/08/2030**

Prague: 11/08/2025



Signed in the Czech original:  
Zdeňka Drdová on 11/08/2025

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

This translation of the Czech original has been issued by: Eliška Frycová



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

**Industrial Technique Service s.r.o.**  
CAB number 2339, ITS Calibration Laboratory  
V Parku 2336/22, 140 00 Praha 4, Česká republika

**Calibration laboratory locations:**

- |                          |  |
|--------------------------|--|
| 1. Laboratory Průmyslová | Průmyslová 1428/10, 102 00 Praha 10, Česká republika |
| 2. Laboratory CSW        | Rózyńiec 83C, 59-706 Gromadka, Polsko                |
| 3. Laboratory Chodov     | V Parku 2336/22, 140 00 Praha 4, Česká republika     |

**CMC for the field of measured quantity: Rotation angle**

Ord. number 1	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	jedn.	max	jedn.					
1*	Rotation angle of hand torque tools and angle gauges	0 °	to	n·360 °			1.0°	Measurement with a rotation angle transducer VDI/VDE 2648 Part 1, Part 2	ITS-10-14-AV, ITS-10-14-AV/C, ITS-12-14-AK	1, 3
2	Rotation angle of hand torque tools and angle gauges	0 °	to	n·360 °			0.55°	Measurement with a rotation angle transducer VDI/VDE 2648 Part 2	ITS-13-14-LAK, ITS-12-14-AK	1
3	Rotation angle of hand torque tools and angle gauges	0 °	to	n·360 °			0.90°	Measurement with a rotation angle transducer VDI/VDE 2648 Part 2	ITS-13-14-LAK, ITS-12-14-AK	2
4*	Rotation angle of hand torque tools and angle gauges	0 °	to	n·360 °			1.0°	Measurement with a rotation angle transducer VDI/VDE 2648 Part 1	ITS-10-14-AV, ITS-10-14-AV/C	2
5*	Rotation angle of transducers and angle gauges	0 °	to	n·360 °			0.10°	Measurement with a rotation angle transducer VDI/VDE 2648 Part 1	ITS-11-14-AS	1, 2

<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).

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

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	jedn.	max	jedn.					
1	Rotary and static transducers and devices for measuring torque	0.05 Nm	to	12 Nm			0.04 % 0.02 %	Comparative measurement with standard torque device using weights and reaction arms, EURAMET cg-14	ITS-04-11-S, ITS-09-11-LSP	1
2*	Rotary and static transducers and devices for measuring torque	0.05 Nm	to	500 Nm			0.20 %	Direct measurement with a reference portable torque standard (torque transducer) EURAMET cg-14	ITS-04-11-S, ITS-09-11-LSP	1
3*	Rotary and static transducers and devices for measuring torque	0.2 Nm	to	3,000 Nm			0.20 %	Direct measurement with a reference portable torque standard (torque transducer) EURAMET cg-14	ITS-04-11-S, ITS-09-11-LSP	2, 3
4*	Tightening devices and tightening systems	0.05 Nm	to	0.4 Nm			0.60 % 0.50 %	Direct measurement with a portable torque standard (torque transducer) EN ISO 6789-2, ISO 5393	ITS-01-11-U, ITS-02-11-V, ITS-03-11-VM, ITS-06-11-UC, ITS-07-11-VC, ITS-08-11-VMC	1, 3
5*	Torque wrenches	0.05 Nm	to	0.4 Nm			1.0 % 0.94 %	Direct measurement with a portable torque standard (torque transducer) EN ISO 6789-2	ITS-05-11-K	1, 3
6*	Tightening devices and tightening systems	0.05 Nm	to	2 Nm			0.75 % 0.50 % 2.0 %	Direct measurement with a portable torque standard (torque transducer) EN ISO 6789-2, ISO 5393	ITS-01-11-U, ITS-02-11-V, ITS-03-11-VM, ITS-06-11-UC, ITS-07-11-VC, ITS-08-11-VMC	2

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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	jedn.	max	jedn.					
7*	Torque wrenches	0.05 Nm	to	2 Nm			1.1 % 0.94 %	Direct measurement with a portable torque standard (torque transducer) EN ISO 6789-2	ITS-05-11-K	2

<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).

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*"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "*