

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-K-17572-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 26.09.2023

Date of issue: 26.09.2023

This annex is a part of the accreditation certificate D-K-17572-01-00.

Holder of partial accreditation certificate:

Kistler Remscheid GmbH
Kölner Straße 71, 42897 Remscheid

The calibration laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The calibration laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of calibration laboratories and conform generally with the principles of DIN EN ISO 9001.

Calibrations in the fields:

Dimensional Quantities

Angle

- **Angle of Rotation^{a)}**

^{a)} also on-site calibrations

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Abbreviations used: see last page

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This document is a translation. The definitive version is the original German annex to the accreditation certificate.

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Within the scope of accreditation marked with *), the calibration laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use calibration standards or equivalent calibration procedures listed here with different issue dates.

The calibration laboratory maintains a current list of all calibration standards / equivalent calibration procedures within the flexible scope of accreditation.

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement ¹	Remarks
angle of rotation direct rotary encoders *	0° to 360°	VDI/VDE 2648 Blatt 1:2009	0.05° or 3'	Maximum rotation speed 1500 rpm
Indirect rotary encoder systems *	0° to 360°	VDI/VDE 2648 Blatt 2:2007	2,5°	Snug fit value: 5 N·m - 300 N·m Nominal torque: 25 N·m - 1.5 kN·m

On-site Calibration

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement ¹	Remarks
angle of rotation rotary encoders on torque transducers and tools *	0° to 360°	VDI/VDE 2648 Blatt 1:2009	0.05° or 3'	Maximum rotation speed 1500 rpm

Abbreviations used:

CMC	Calibration and measurement capabilities
DKD-R	Calibration Guideline of Deutscher Kalibrierdienst (DKD), published by Physikalisch-Technische Bundesanstalt (PTB)
VDE	Verband der Elektrotechnik, Elektronik und Informationstechnik e.V. (Association for Electrical, Electronic & Information Technologies)
VDI	Verein Deutscher Ingenieure e.V. (Association of German Engineers)

¹ Unless otherwise indicated, the unit for the variables corresponds to the unit for the measurement range.