

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-17603-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from:

22.02.2023

Date of issue:

22.02.2023

Holder of accreditation certificate:

Lorenz Messtechnik GmbH
Obere Schlossstraße 131, 73553 Alfdorf

The calibration laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 in order to carry out the conformity assessment activities listed below. If applicable, the calibration laboratory meets additional legal and normative requirements, including those in relevant sectoral schemes, provided they 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 confirm generally with the principles of DIN EN ISO 9001.

Calibration in the fields:

Mechanical quantities

- Torque

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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Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range			Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Torque	0.2 N·m	to	< 1 N·m	DIN 51309:2022	4 · 10 ⁻⁴	Class ≥ 0.05
Torque measuring devices and torque measuring chains				DKD-R 10-5:2020		Clockwise torque
	1 N·m	to	< 6 N·m	EURAMET cg-14, Version 2.0	2 · 10 ⁻⁴	Anti-clockwise torque
	6 N·m	to	200 N·m		1 · 10-4	Alternating torque

Abbreviations used:

CMC Calibration and measurement capabilities

DIN Deutsches Institut für Normung e.V. – German institute for standardization

DKD-R Calibration Guide of Deutscher Kalibrierdienst (DKD), published by the Physikalisch-

Technische Bundesanstalt

EN Europäische Norm – European Standard

EURAMET European Association of National Metrology Institutes

IEC International Electrotechnical Commission
ISO International Organization for Standardisation

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