Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-20041-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **27.11.2020**

Date of issue 25.08.2021

Holder of certificate:

TESTING Bluhm & Feuerherdt GmbH
Motzener Straße 26b, 12277 Berlin

Calibration in the fields:

Mechanical quantities
Material testing machines (MTM)
- **Force (MTM)** [a)]

[a)] only on-site calibrations

The calibration laboratory is permitted, without being required to inform and obtain prior approv-al 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 calibra-tion procedures within the flexible scope of accreditation.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of calibration laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.

The certificate together with the annex reflects the status as indicated by the date of issue.
The current status of any given scope of accreditation may be found respectively in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH https://www.dakks.de/en/content/accredited-bodies-dakks.

Abbreviations used: see last page

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

On-site Calibration

Kalibrier- und Messmöglichkeiten (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement [1)]	Remarks
Force (MTM) Force measuring devices of material testing machines according to DIN 51220	0.1 kN to 5000 kN	DIN EN ISO 7500-1: 2018 with supplement 1: 1999 DIN 51302-2: 2000 DIN EN 12390-4: 2020 DIN EN 12390-5: 2019	0.24 %	with class 1 force transducers in the direction of compressive force
	0.1 kN to 50 kN	DIN EN ISO 7500-1:2018	0.24 %	with class 1 force transducers in the direction of tensile force

Abbreviations used:

CMC	Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
DIN	Deutsches Institut für Normung e.V.

[1)] The expanded uncertainties according to EA-4/02 M:2013 are part of CMC and are the best measurement uncertainties within accreditation. They have a coverage probability of approximately 95 % and have a coverage factor of $k = 2$ unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.

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