

## Deutsche Akkreditierungsstelle

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

**Valid from:** 20.03.2023

**Date of issue:** 20.03.2023

Holder of accreditation certificate:

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

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 confirm generally with the principles of DIN EN ISO 9001.

#### **Mechanical quantities**

##### **Material testing machines (MTM)**

- **Force (MTM)** <sup>a)</sup>
- **Extension (MTM)** <sup>a)</sup>

<sup>a)</sup> only 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.**

**Annex to the Accreditation Certificate D-K-20041-01-00**

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.

**On-site Calibration**

**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Force (MTM)</b> 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: 2022 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 500 kN	DIN EN ISO 7500-1: 2018 with supplement 1: 2022, supplement 4: 2013	0.24 %	with pull force transducers
	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
<b>Extension (MTM)</b> Length variation measuring device for Material Testing Machines	0 mm to 100 mm	DIN EN ISO 9513:2013	$1.5 \cdot 10^{-3} l$ ; but not $< 1 \mu\text{m}$	measuring principle: incremental l: measured extension

**Abbreviations used:**

CMC            Calibration and measurement capabilities  
DIN            Deutsches Institut für Normung e.V. – German institute for standardization

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