

# Deutsche Akkreditierungsstelle

## Annex to the Accreditation Certificate D-K-17291-02-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 20.12.2022

**Date of issue:** 20.12.2022

Holder of accreditation certificate:

**Göttfert Werkstoff - Prüfmaschinen GmbH**  
**Siemensstraße 2, 74722 Buchen Odenwald**

The calibration laboratory meets the minimal requirements of DIN EN ISO/IEC 17025:2018 and, if applicable, additional legal and normative requirements, including those in relevant sectoral schemes, in order to carry out the conformity assessment activities listed 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.

Calibrations in the fields:

### **Mechanical Quantities**

#### **Material Testing Machines (MTM)**

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

<sup>a)</sup> also on-site calibration

*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-17291-02-00**

**Permanent Laboratory**

**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Temperature (MTM)</b> Temperature of temperature chambers (incl. temperature distribution)	50 °C to 299.99 °C	GFT NORM 203:2022-07	0.06 °C	Calibration of the PT100 sensors on the heating tapes of the channel
	300 °C to 500 °C		0.07 °C	
<b>Force (MTM)</b> Weight force	0 N to 220 N	GFT NORM 204:2022-07	0.0023 N	Procedure according to comparison method with reference
<b>Velocity (MTM)</b>	0.005 cm/min to 600 cm/min	Combined measurand GFT NORM 205:2020-09 GFT NORM 206:2020-09	0.00068 cm/min	Combined measurand from procedure according to comparison method with reference
<b>Extension (MTM)</b> Position	1 mm to 100 mm	GFT NORM 206:2020-09	0.01 mm	Procedure according to comparison method with reference
Test stamp, diameter	1 mm to 50 mm	GFT NORM 200:2020-09	0.004 mm	Using calibrated outside micrometer / caliper gauge, measure corresponding size at various points
Test stamp, length	1 mm to 150 mm		0.003 mm	
Test channel, inner diameter	8 mm to 35 mm	GFT NORM 201:2020-09	0.003 mm	Measure with calibrated fine pointer at several points
Capillary, inner diameter	0.5 mm to 8 mm	GFT NORM 202:2020-09	0.003 mm	Measure with calibrated fine pointer/iron micrometer at several points
Capillary, length	1 mm to 50 mm		0.013 mm	

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**On-site Calibration**

Calibration and Measurement Capabilities (CMC)				
Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
<b>Temperature (MTM)</b> Temperature of temperature chambers (incl. temperature distribution)	50 °C to 299.99 °C	GFT NORM 203:2022-07	0.06 °C	Calibration of the PT100 sensors on the heating tapes of the channel
	300 °C to 500 °C		0.07 °C	
<b>Force (MTM)</b> Weight force	0 N to 220 N	GFT NORM 204:2022-07	0.0023 N	Procedure according to comparison method with reference
<b>Velocity (MTM)</b>	0.005 cm/min to 600 cm/min	Combined measurand GFT NORM 205:2020-09 GFT NORM 206:2020-09	0.00068 cm/min	Combined measurand from procedure according to comparison method with reference
<b>Extension (MTM)</b> Position	1 mm to 100 mm	GFT NORM 206:2020-09	0.01 mm	Procedure according to comparison method with reference
Test stamp, diameter	1 mm to 50 mm	GFT NORM 200:2020-09	0.004 mm	Using calibrated outside micrometer / caliper gauge, measure corresponding size at various points
Test stamp, length	1 mm to 150 mm		0.003 mm	
Test channel, inner diameter	8 mm to 35 mm	GFT NORM 201:2020-09	0.003 mm	Measure with calibrated fine pointer at several point

**Abbreviations used:**

CMC Calibration and measurement capabilities  
 DIN Deutsches Institut für Normung e.V.  
 GFT internal calibration procedure of Göttfert Werkstoff - Prüfmaschinen GmbH

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