

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-20592-01-00  
according to DIN EN ISO/IEC 17025:2018

**Valid from: 06.04.2020**

Date of issue: 06.04.2020

Holder of certificate:

**MÖLLER-WEDEL OPTICAL GmbH**  
**Rosengarten 10, 22880 Wedel**

Calibration in the fields:

**Dimensional quantities**

**Angle**

– **Angle gauges**

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 <sup>1)</sup>	Remarks
<b>Angle</b> Angle on mirror polygons	0° to 360°	AAW 541:V1.2 direct measurement	0.20''	Minimum reflector diameter: 5 mm (reflection coated) 6 mm (uncoated)
Angle measurement on autocollimators	0'' to 2800''	AAW 540:V1.2 direct measurement	0.03''	Measuring distance < 1.8 m
	2801'' to 9000''	AAW 540:V1.2 direct measurement	0.10''	Measuring distance < 0.5 m
Angle measurement on autocollimators with Dove prism	0'' to 320''	AAW 540:V1.2 direct measurement	0.04''	Measuring distance < 1.8 m

**Abbreviations used:**

CMC      Calibration and measurement capabilities  
AAW      Guideline on MÖLLER-WEDEL OPTICAL GmbH

<sup>1)</sup> 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.