

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-18110-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 19.12.2022

Date of issue: 19.12.2022

Holder of accreditation certificate:

ASC GmbH

Ledererstraße 10, 85276 Pfaffenhofen a. d. Ilm

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.

Calibration in the fields:

Mechanical quantities

- **Acceleration**

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.

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Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement ¹⁾	Remarks
Acceleration				
Sinusoidal vibration sensor	0.5 m/s ² to 20 m/s ²	DKD-R 3-1, part 3:2020 frequency 0.4 Hz to 1 Hz > 1 Hz to 63 Hz > 63 Hz to 160 Hz ref.-freq. 8 Hz / 16 Hz	1.5 % / 1.5° 1.25 % / 1.25° 1.25 % / 1.5° 1.0 % / 1.1°	Calibration result: Complex sensitivity (amount / phase)
	10 m/s ² to 300 m/s ²	DKD-R 3-1, part 3:2020 frequency 5 Hz to < 10 Hz 10 Hz to 1 kHz > 1 kHz to 5 kHz > 5 kHz to 10 kHz ref.-freq. 80 Hz / 100 Hz	2.5 % / 1.5° 1.5 % / 1.25° 1.75 % / 1.5° 2.75 % / 2.75° 1.0 % / 1.0°	Calibration result: Complex sensitivity (amount / phase)
Shock vibration sensor	300 m/s ² to 2 km/s ²	DKD-R 3-1 part 2:2019 pulse width 10 ms to 1 ms	2.0 %	Peak transmission ratio

Abbreviations used:

DKD-R Guideline of Deutscher Kalibrierdienst (DKD), published by Physikalisch-Technische Bundesanstalt

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