

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-18110-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 19.06.2018 to 18.06.2023

Date of issue: 19.06.2018

Holder of certificate:

ASC GmbH
Ledererstraße 10, 85276 Pfaffenhofen a. d. Ilm

Head: Sylvia Sellmaier
Deputy head: Lucas Maier

Accredited as calibration laboratory since: 23.04.2013

Calibration in the fields:

Mechanical Quantities
– **Acceleration**

Abbreviations used: see last page

Permanent Laboratory

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability ¹⁾	Remarks
Acceleration sinusoidal Vibration sensor	0,5 m/s ² to 20 m/s ²	DAkkS-DKD-R 3-1 part 3:2010 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)
sinusoidal Vibration sensor	10 m/s ² to 300 m/s ²	DAkkS-DKD-R 3-1 part 3:2010 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)
sinusoidal Vibration sensor	300 m/s ² to 2 km/s ²	DAkkS-DKD-R 3-1 part 2:2010 Pulse width 10 ms to 1 ms	2,0 %	Peak transmission ratio

Abbreviations used:

DAkkS-DKD-R Calibration Guideline of Deutsche Akkreditierungsstelle GmbH

¹⁾ The best measurement capabilities are stated according to EA-4/02. These are expanded uncertainties of measurement with a coverage probability of 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.