

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-21665-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 10.11.2023

Date of issue: 10.11.2023

Holder of accreditation certificate:

GeneSys Elektronik GmbH
In der Spöck 10, 77656 Offenburg

with the locations

GeneSys Elektronik GmbH
In der Spöck 10, 77656 Offenburg

GeneSys Elektronik GmbH
Am Flugplatz 17, 77656 Offenburg

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 they conform to the general with the principles of DIN EN ISO 9001.

Calibration in the fields:

Mechanical quantities

- **Acceleration**
- **Velocity**

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-21665-01-00
Permanent Laboratory – In der Spöck 10, 77656 Offenburg
Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Acceleration	0 m/s ² bis 9.8081 m/s ²	Cal-Description-RA 02/2022	$9 \cdot 10^{-3} \cdot A + 0.04 \text{ m/s}^2$	Static acceleration by inclination in the earth's gravity field A = measurement
		ISO 16063-16:2014	0.1 m/s ²	Static acceleration by inclination in the earth's gravity field
Angular velocity	0 °/s bis 498 °/s	Cal-Description-RA 02/2022	$9 \cdot 10^{-3} \cdot \omega + 0.1 \text{ °/s}$	Excitation by angular velocity ω = measurement
		Cal-Description-R-const 03/2023	$0.5 \cdot 10^{-3} \cdot \omega + 0.5 \cdot 10^{-3} \text{ °/s}$	

Permanent Laboratory – Am Flugplatz 17, 77656 Offenburg
Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Velocity	5 m/s bis 23 m/s	Cal-Description-Vel 02/2022	$3 \cdot 10^{-3} \cdot V + 0.01 \text{ m/s}$	Route reference and measurement of time V = measurement

Abbreviations used:

Cal-Des.	Calibration procedure of GeneSys Elektronik GmbH
CMC	Calibration and measurement capabilities
DIN	Deutsches Institut für Normung e.V. – German institute for standardization
EN	Europäische Norm – European Standard
IEC	International Electrotechnical Commission
ISO	International Organization for Standardisation

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