Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-21982-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: **21.07.2022**

Date of issue: 21.07.2022

This annex is a part of the accreditation certificate D-K-21982-01-00.

Holder of accreditation certificate:

S.K.I. Schlegel & Kremer Industrieautomation GmbH
Kalibrierlabor
Hanns-Martin-Schleyer-Straße 22
41199 Mönchengladbach

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

Fluid Quantities

- **Liquid flow rate**

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.

DAkkS Deutsche Akkreditierungsstelle

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Liquid flow rate Volume flow rate d*V*/d*t* of flowing gases	2 m³/h to 800 m³/h	ADW-Beschr. Prüfstand: 2022-05	0.09 %	Measuring instrument with frequency output Measured material: water with a density of approx. 1000 kg/m³
	2 m³/h to 800 m³/h		0.10 %	Measuring instruments with current output Measured material: water with a density of approx. 1000 kg/m³
	0.9 m³/h to 1.9 m³/h		0.15 %	Measuring instrument with frequency and current output Measured material: water with a density of approx. 1000 kg/m³
Mass flow rate d*m*/d*t* of flowing gases	2 t/h to 800 t/h	ADW-Beschr. Prüfstand: 2022-05	0.09 %	Measuring instrument with frequency output Measured material: water Conversion via density, viscosity of approx. 1.0 mm²/s
	2 t/h to 800 t/h		0.10 %	Measuring instruments with current output Differential pressure proportional measurement Measured material: water Conversion via density, viscosity of approx. 1.0 mm²/s
	0.9 t/h to 1.9 t/h		0.15 %	Measuring instrument with frequency and current output Differential pressure proportional measurement Measured material: water Conversion via density, viscosity of approx. 1.0 mm²/s

Abbreviations used:

ADW	In-house calibration procedure of S.K.I. Schlegel & Kremer Industrieautomation GmbH
CMC	Calibration and measurement capabilities
DIN	Deutsches Institut für Normung e.V. (German Institute for Standard)