

Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-K-19431-01-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 04.10.2023

Date of issue: 04.10.2023

Holder of accreditation certificate:

Sensus GmbH Hannover
Meineckestraße 10, 30880 Laatzen

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 confirm generally with the principles of DIN EN ISO 9001.

Calibration in the fields:

Mechanical Quantities

Fluid quantities

- **Volume of flowing liquids**

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)

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability	Remarks	
Volume of flowing liquids Cold water meters and flowmeters of heat meters	0.005 m ³ /h to 300 m ³ /h	Sensus-1-5006: 2023-08, Rev. 2, Chapter 4.1 Gravimetric with standing start and stop	0.13 %	Cold water 15 °C to 25 °C	
	0.05 m ³ /h to 300 m ³ /h	Sensus-1-5005: 2023-06, Rev. 1 Volumetric with standing start and stop	0.32 %		
	> 300 m ³ /h to 2000 m ³ /h		0.31 %		
	0.002 m ³ /h to 0.04 m ³ /h	> 0.04 m ³ /h to 110 m ³ /h	Sensus-1-5006: 2023-08, Rev. 2, Chapter 4.1 Gravimetric with standing start and stop	0.18 %	Cold water 5 °C to 25 °C
				0.07 %	
		0.002 m ³ /h to 0.04 m ³ /h	Sensus-1-5006: 2023-08, Rev. 2, Chapter 4.2 Gravimetric with flying start and stop	0.15 %	
> 0.04 m ³ /h to 110 m ³ /h		0.05 %			
Hot water meters and flowmeters of heat meters	0.05 m ³ /h to 150 m ³ /h	Sensus-1-5006: 2023-08, Rev. 2, Chapter 4.1 Gravimetric with standing start and stop	0.13 %	Hot water 10 °C to 86 °C	

Abbreviations used:

CMC Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
 DIN Deutsches Institut für Normung e.V.
 Sensus-1-xxxx internal calibration procedure of Sensus GmbH Hannover

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