

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-19431-01-00 according to DIN EN ISO/IEC 17025:2005

Valid from: 06.09.2019

Date of issue: 06.09.2019

Holder of certificate:

Sensus GmbH Hannover
Meineckestraße 10, 30880 Laatzen

Head: Bernd Raade
Deputy head: Jens Schulz

Accredited as calibration laboratory since: 25.03.2004

Calibration in the fields:

Fluid quantities
- **Volume of flowing liquids**

Abbreviations used: see last page

*The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH.
<https://www.dakks.de/en/content/accredited-bodies-dakks>*

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability ¹⁾	Remarks	
Volume of flowing liquids cold water meters and flowmeters of heat meters	0.005 m ³ /h to 300 m ³ /h	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	volumetric with standing start and stop	0.32 %		
	> 300 m ³ /h to 2000 m ³ /h		0.31 %		
	hot water meters and flowmeters of heat meters	0.002 m ³ /h to 0.04 m ³ /h	gravimetric with standing start and stop	0.18 %	cold water 5 °C to 25 °C
		> 0.04 m ³ /h to 110 m ³ /h		0.07 %	
		0.002 m ³ /h to 0.04 m ³ /h	gravimetric with flying start and stop	0.15 %	
		> 0.04 m ³ /h to 110 m ³ /h		0.05 %	

Abbreviations used:

CMC Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)

¹⁾ The expanded uncertainties according to EA-4/02 M:2013 are part of CMC and are the best measurement uncertainties within accreditation. They have a coverage probability of approximately 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.