

Annex to the Accreditation Certificate D-K-18674-01-00

Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
Fluid quantities Velocity of gases	0.1 m/s to 70 m/s	V702-2-1:2022-08	0.5 %, but not less than 0.01 m/s	Reference standard: laser-Doppler-anemometer
Volume and volume rate of flowing gases	22 l/h to < 400 l/h	V702-2-5:2022-08 in connection with PTB Testing Instruction Volume 25:1998 supercritical nozzle gallery	0.39 %	Measuring range: Air within standard conditions of 20 °C and 1013.25 mbar Calibration medium: atmospheric air
	≥ 0.4 m ³ /h to 57.9 m ³ /h		0.36 %	
	5 m ³ /h to 250 m ³ /h	V702-2-3:2022-08 in connection with PTB Testing Instruction Volume 29:2003 rotary piston gas meter	0.30 %	
	200 m ³ /h to < 400 m ³ /h	V702-2-3:2022-08 in connection with PTB Testing Instruction Volume 29:2003 turbine gas meter	0.30 %	
	≥ 400 m ³ /h to 10000 m ³ /h		0.25 %	
Mass and mass rate of flowing gases	26 g/h to < 480 g/h	V702-2-5:2022-08 in connection with PTB Testing Instruction Volume 25:1998 supercritical nozzle gallery	0.39 %	Calibration medium: atmospheric air
	≥ 0.48 kg/h to 69.5 kg/h		0.36 %	
	6.0 kg/h to 300 kg/h	V702-2-3:2022-08 in connection with PTB Testing Instruction Volume 29:2003 rotary piston gas meter	0.30 %	
	250 kg/h to < 500 kg/h	V702-2-3:2022-08 in connection with PTB Testing Instruction Volume 29:2003 turbine gas meter	0.30 %	
	≥ 500 kg/h to 12000 kg/h		0.25 %	

Abbreviations used:

CMC	Calibration and measurement capabilities
PTB	Physikalisch-Technische Bundesanstalt
V702-2-1	ISO17025_V702-2-1_Kalibrierverfahren_WK320-LDA, in-house method of Höntzsch GmbH & Co. KG
V702-2-5	ISO17025_V702-2-5_Kalibrierverfahren_DVP, in-house method of Höntzsch GmbH & Co. KG
V702-2-3	ISO17025_V702-2-3_Kalibrierverfahren_AVP, in-house method of Höntzsch GmbH & Co. KG

Valid from: 06.12.2022

Date of issue: 06.12.2022