

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-K-14490-03-01 according to DIN EN ISO/IEC 17025:2018

**Valid from: 13.07.2020**

Date of issue: 13.07.2020

Holder of certificate:

**EnBW Energie Baden-Württemberg AG**

with its calibration laboratory:

**PasCaLab - Kalibrierlabor für Gas der EnBW AG  
Talstraße 131, 70188 Stuttgart**

Calibration in the fields:

**Mechanical quantities**

**Fluid Quantities**

- **Gas flow rate**
- **Volume of flowing gases**

Abbreviations used: see last page

**Annex to the accreditation certificate D-K-14490-03-01**

**Permanent Laboratory**

**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement <sup>1)</sup>	Remarks
<b>Fluid quantities</b>				
Volume flow rate and volume of flowing gases (high-pressure natural gas 4 to 41 bar)	1,6 m <sup>3</sup> /h to 3 m <sup>3</sup> /h	PTB- Testing Instruction Volume 30:2003 Comparison procedure	0,46 %	Calibration of turbine wheel -, ultrasonic- and rotary piston gas meter.
	3 m <sup>3</sup> /h to 10 m <sup>3</sup> /h		0,39 %	
	10 m <sup>3</sup> /h to 50 m <sup>3</sup> /h		0,24 %	
	50 m <sup>3</sup> /h to 1000 m <sup>3</sup> /h		0,22 %	
	1000 m <sup>3</sup> /h to 6500 m <sup>3</sup> /h		0,24 %	

**Abbreviations used:**

CMC                    Calibration and measurement capabilities  
DIN                    Deutsches Institut für Normung e.V.

<sup>1)</sup> 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.