

# Deutsche Akkreditierungsstelle

## Annex to the Accreditation Certificate D-K-21619-01-00 according to DIN EN ISO/IEC 17025:2018

**Valid from:** 19.11.2021

**Date of issue:** 15.09.2022

Holder of accreditation certificate:

**qbig GmbH**  
**Benzstraße 3, 26789 Leer**

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.

Calibrations in the fields:

### **Mechanical Quantities**

#### **Fluid quantities**

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

*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

**Page 1 of 2**

**This document is a translation. The definitive version is the original German annex to the accreditation certificate.**

**Annex to the Accreditation Certificate D-K-21619-01-00**

**Permanent Laboratory**

**Calibration and Measurement Capabilities (CMC)**

Measurement quantity / Calibration item	Range	Measurement quantity / Calibration item	Expanded uncertainty of measurement	Remarks
<b>Fluid quantities</b> Volume flow rate and volume of gases	13 m <sup>3</sup> /h to 25 m <sup>3</sup> /h	Master meter method according to PTB Test Guideline Band 30:2003	0.32 %	Calibration medium: natural gas in operating condition, 8 to 52 bar
	> 25 m <sup>3</sup> /h to 40 m <sup>3</sup> /h		0.30 %	
	> 40 m <sup>3</sup> /h to 160 m <sup>3</sup> /h		0.29 %	
	> 160 m <sup>3</sup> /h to 400 m <sup>3</sup> /h		0.28 %	
	> 400 m <sup>3</sup> /h to 16 000 m <sup>3</sup> /h		0.27 %	

**Abbreviations used:**

CMC	Calibration and measurement capabilities
DIN	Deutsches Institut für Normung e.V. (German Institute for Standardisation)
PTB	Physikalisch-Technische Bundesanstalt (Federal Physical-Technical Institute)

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