

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-K-15141-01-01 according to DIN EN ISO/IEC 17025:2018

Valid from: 10.10.2022

Date of issue: 10.10.2022

This annex is a part of the accreditation certificate D-K-15141-01-00.

Holder of partial accreditation certificate:

burster präzisionsmeßtechnik gmbh & co kg
Talstraße 1-5, 76593 Gernsbach

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.

Electrical quantities

DC and low frequency quantities

- **DC voltage**
- **DC current**
- **DC resistance**

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>.

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Permanent Laboratory

Calibration and Measurement Capabilities (CMC)

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Expanded uncertainty of measurement	Remarks
DC voltage	10 μ V to 200 V 1 V 1,02 V 10 V	QSH 7.1: Edition 2	$(5 + 0.2 V/U) \cdot 10^{-6}$ $2 \cdot 10^{-6}$ $2 \cdot 10^{-6}$ $2 \cdot 10^{-6}$	U: measurement value
DC current	1 μ A to 100 mA > 100 mA to 1 A > 1 A to 10 A > 10 A to 500 A	QSH 7.1: Edition 2	$10 \cdot 10^{-6}$ $20 \cdot 10^{-6}$ $50 \cdot 10^{-6}$ $10 \cdot 10^{-5}$	over 30 A only calibrations of current sources, not measurement instruments for DC current
DC resistance	0,1 m Ω to < 1 m Ω 1 m Ω to < 10 Ω 10 Ω to 100 k Ω > 100 k Ω to 1 M Ω	QSH 7.1: Edition 2	$50 \cdot 10^{-6}$ $10 \cdot 10^{-6}$ $5 \cdot 10^{-6}$ $10 \cdot 10^{-6}$	

Abbreviations used:

CMC Calibration and measurement capabilities (Kalibrier- und Messmöglichkeiten)
QSH 7.1 Calibration Instruction of the burster präzisionsmeßtechnik gmbH & co kg