

# Deutsche Akkreditierungsstelle GmbH

## Annex to the Accreditation Certificate D-K-18085-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 29.09.2017 to 28.09.2022

Date of issue: 10.01.2018

Holder of certificate:

**Fluke Process Instruments GmbH**  
**Blankenburger Straße 135, 13127 Berlin**

Head:

Dipl.-Ing. Jürgen Filzhuth

Deputy head:

Dipl.-Ing. (FH) Michaela Hohberg

Jörg Freytag

Accredited as calibration laboratory since: 17.07.2008

Calibration in the fields:

**Thermodynamic quantities**

**Temperature quantities**

- Radiation thermometers
- Temperature indicators and simulators

Abbreviations used: see last page

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**Permanent Laboratory**

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability <sup>1)</sup>	Remarks
Temperature Radiation thermometers and radiation sources	-20 °C bis 100 °C	VDI/VDE 3511 Part 4.4 July 2005 Calibration scheme IIa	0,3 K	Calibration against a cavity radiator using transfer standard radiation thermometers
	> 100 °C bis 200 °C		0,4 K	
	> 200 °C bis 300 °C		0,6 K	
	> 300 °C bis 400 °C		1,2 K	
	> 400 °C bis 500 °C		1,4 K	
	> 500 °C bis 600 °C		1,9 K	
	> 600 °C bis 700 °C		2,1 K	
	> 700 °C bis 800 °C		2,4 K	
	> 800 °C bis 900 °C		1,6 K	
	> 900 °C bis 1100 °C		1,9 K	
	> 1100 °C bis 1300 °C		3,4 K	
	> 1300 °C bis 1500 °C		3,8 K	
	> 1500 °C bis 1700 °C		6,6 K	
	> 1700 °C bis 1900 °C		7,4 K	
	> 1900 °C bis 2100 °C		8,4 K	
	> 2100 °C bis 2300 °C		9,0 K	
> 2300 °C bis 2500 °C	9,8 K			
> 2500 °C bis 2700 °C	11 K			
Temperature indicators for thermocouples	-180 °C bis 1750 °C	DAkks-DKD-R 5-5:2010 Abb.3	0,3 K	Electrical simulation of the sensor signal

**Abbreviations used:**

DAkks-DKD-R Calibration Guideline of Deutsche Akkreditierungsstelle GmbH

<sup>1)</sup> The best measurement capabilities are stated according to EA-4/02. These are expanded uncertainties of measurement with a coverage probability of 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.