

Deutsche Akkreditierungsstelle GmbH  
German Accreditation Body

Annex to the Accreditation Certificate D-K-15178-01-00  
according to DIN EN ISO/IEC 17025:2005

Period of validity: 27.09.2011 to 26.09.2016

Holder of certificate:

**GE Sensing & Inspection Technologies GmbH**  
**Sinsheimer Straße 6, 75179 Pforzheim**

Head: Dipl.-Ing. (FH) Volker Lübcke  
Deputy: Dipl.-Ing. (FH) Frank Kies  
Michael König

Accredited since: 21.07.1999

Calibrations in the fields:

**Thermodynamic quantities**  
**Temperature quantities**  
– Resistance thermometers  
**Humidity quantities**  
– Humidity

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**Permanent Laboratory**

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability <sup>1)</sup>	Remarks
Temperature resistance thermometers also with transducer	-196 °C	Copper block in liquid nitrogen	10 mK	Comparison with standard resistance thermometers
	-65 °C to -55 °C	Alcohol bath	8 mK	
	-0,1 °C to 0,1 °C	Water bath	5 mK	
	95 °C to 105 °C	Oil bath	7 mK	
	255 °C to 265 °C	Salt bath	9 mK	
	415 °C to 425 °C		12 mK	
	-196 °C to < -90 °C	Calibration in baths and interpolation of the characteristic curve	20 mK	
	-90 °C to 260 °C		10 mK	
> 260 °C to 420 °C	15 mK			
Temperature data logger	-85 °C to < -60 °C		50 mK	
	-60 °C to 260 °C		25 mK	
	> 260 °C to 420 °C		50 mK	
Relative humidity Humidity data logger	10 % to 30 %	2-pressure-generator temperature range: 5 °C bis 70 °C	0,3 %	Comparison with dew point mirror; Measurement uncertainty expressed in relative humidity
	> 30 % to 70 %		0,6 %	
	> 70 % to 95 %		0,8 %	

<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.