

Deutscher Kalibrierdienst (DKD)
Accreditation Body
represented in

Deutscher AkkreditierungsRat



Accreditation

The Accreditation Body of **Deutscher Kalibrierdienst (DKD)** hereby accredits

GE Sensing

Division of GE Measurement & Sensing Technologies GmbH

Sinsheimer Straße 6

75179 Pforzheim

according to DIN EN ISO/IEC 17025: 2005 for calibrations in the field / fields:

humidity, temperature

Part of the certificate is: Annex 04 (1 page), 2007-05-25

DAR registration number: DKD-K-24901

DKD accredited since: 1999-07-21

Braunschweig, 2007-05-25

Dr.-Ing. Wolfgang Bosch
Head of DKD Accreditation Body



The accreditation is granted on the basis of an assessment and the contract concluded with the Accreditation Body of Deutscher Kalibrierdienst concerning the accreditation of a calibration laboratory according to rules and procedures of Deutscher Kalibrierdienst pursuant to the Standards DIN EN ISO/IEC 17025: 2005 and DIN EN ISO/IEC 17011.

The calibration laboratory is authorized to issue DKD calibration certificates and to use the DKD logo.

Details of the scope of accreditation (measuring instruments, measurands, ranges of measurement, uncertainties of measurement) are specified in the annex. The documents submitted form an integral part of the accreditation. Modifications must be made in writing.

The accreditation is granted with the reservation that it can be withdrawn at any time if the defined conditions are no longer met. The validity and the current scope of accreditation are documented on the web pages of Deutscher Kalibrierdienst (<http://www.dkd.eu>).

Accreditation certificates and annexes to them may be distributed only without modifications. Extracts may be published only with the permission of the Accreditation Body of Deutscher Kalibrierdienst.

The impression that products and services of the holder, that are not covered by the accreditation, are also subject to the calibration laboratory's control has to be avoided. Should this impression nevertheless be given, the Accreditation Body of Deutscher Kalibrierdienst shall be authorized to demand modifications.

If reference is made to the accreditation as a calibration laboratory, the fields covered by the accreditation must be explicitly specified. In case of doubt, the Accreditation Body of Deutscher Kalibrierdienst should be contacted before such reference is made.

Annex 04

of 2007-05-25 to the accreditation certificate of the calibration laboratory

Registration number:

DKD-K-24901

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at

GE Sensing
Division of GE Measurement & Sensing Technologies GmbH
Sinsheimer Straße 6
75179 Pforzheim
Germany

Measured quantities:
Temperature,
relative humidity

Phone: +49 7231 14 335-0
Fax: +49 7231 14 335-29
E-mail: Volker.Luebcke@ge.com

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

Accredited since: 1999-07-21

Permanent Laboratory

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability ¹⁾	Remarks
Temperature resistance thermometers also with transducer	-196 °C	Copper block in liquid nitrogen	10 mK	Comparison with standard resistance thermometers
	-60 °C ±5 °C	Alcohol bath	8 mK	
	0,01 °C ±0,1 °C	Water bath	5 mK	
	100 °C ±5 °C	Oil bath	7 mK	
	260 °C ±5 °C	Salt bath	9 mK	
	420 °C ±5 °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	
	25 mK			
Temperature data logger	-60 °C to 260 °C		50 mK	
	> 260 °C to 420 °C			
Relative humidity	10 % to 30 %	2-pressure-generator temperature range: 5 °C to 70 °C	0,3 %	Comparison with dew point mirror;
Humidity data logger	> 30 % to 70 %		0,6 %	
	> 70 % to 95 %		0,8 %	Measurement uncertainty expressed in relative humidity

¹⁾ The best measurement capabilities are stated according to DKD-3 (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.

Deutscher Kalibrierdienst (DKD)
Akkreditierungsstelle bei der
Physikalisch-Technischen Bundesanstalt (PTB)
vertreten im

Deutschen AkkreditierungsRat



Bestätigung

Herr Dipl.-Ing. (FH) Volker Lübcke

wird als Leiter des
Kalibrierlaboratoriums des Deutschen Kalibrierdienstes
für

die Messgrößen Temperatur und Feuchte

bei

GE Kaye – Division of GE Measurement & Sensing Technologies GmbH

Sinsheimer Straße 6

75179 Pforzheim

Reg.-Nr. DKD-K-24901

bestätigt.

Braunschweig, 2004-10-29

Leiter der Akkreditierungsstelle
in Vertretung



Dipl.-Ing. Michael Schaller



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Akkreditierungsstelle bei der
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vertreten im

Deutschen AkkreditierungsRat



Bestätigung

Herr Dipl.-Ing. (FH) Frank Kies

wird als stellvertretender Leiter des
Kalibrierlaboratoriums des Deutschen Kalibrierdienstes
für

die Messgrößen Temperatur und Feuchte

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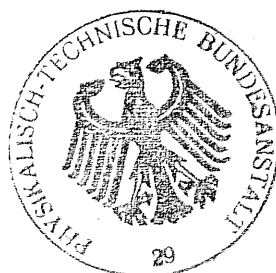
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