

Deutscher Kalibrierdienst (DKD)
Accreditation Body at
Physikalisch-Technische Bundesanstalt (PTB)
represented in

Deutscher Akkreditierungsrat



Accreditation

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

with

ebro Electronic GmbH & Co. KG

Peringerstraße 10

85055 Ingolstadt

Germany

as calibration laboratory according to DIN EN ISO/IEC 17025 for calibrations in the field:

Temperature and relative humidity

Part of the certificate is: Annex 01 (1 page), 2006-07-18

DAR registration number: DKD-K-46201

Braunschweig, 2006-07-18

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 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The accreditation is granted with the reservation that it can be withdrawn at any time if the defined conditions are no longer met.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.

Appendix 1
from 2006-07-18 for accreditation certificate of the calibration laboratory

at
 ebro Electronic GmbH & Co. KG
 Peringerstr. 10
 85055 Ingolstadt

Measurands:
 Temperature
 Relative humidity

Tel. (0841) 95478-0
 Fax. (0841) 95478-80
 E-Mail: koch@ebro.com

Head of calibration laboratory: Thomas Koch
 Deputy Head of calibration laboratory: Jakob Leis

accredited since: 2006-07-18

Permanent Laboratory

Measurands/ Calibration object	Measurement range / Span	Measurement condition / Method	Best uncertainty ¹	Remarks
Temperature - RTD and electronic Thermometer	-85°C to -35°C	Compare with Reference thermometer	90 mK	
	> -35°C to 250°C		50 mK	
	> 250°C to 300°C		80 mK	
Relative humidity	10 % to 30 %	Two-pressure humidity generator Temperature range: 5°C to 70°C	0,3 %	Uncertainty expressed in relative humidity
	> 30 % to 70 %		0,6 %	
	> 70 % to 95 %		0,9 %	

¹ The given expanded uncertainty corresponding to the measurements results is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2. It was determined in accordance with DKD-3. The true value is located in the corresponding interval with a probability of 95%. Long-time instabilities of the calibration object are not included.