

## Deutsche Akkreditierungsstelle GmbH

**Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV**

Signatory to the Multilateral Agreements of  
EA, ILAC and IAF for Mutual Recognition

# Accreditation



The Deutsche Akkreditierungsstelle GmbH attests that the calibration laboratory

**KEM Küppers Elektromechanik GmbH**  
**Liebigstraße 5, 85757 Karlsfeld, Germany**

with calibration laboratory:

**Wetzeller Straße 22, 93444 Bad Kötzing, Germany**

is competent under the terms of DIN EN ISO/IEC 17025:2005 to carry out calibrations in the following fields:

### Fluid Quantities

- **Liquid flow rate**
- **Volume of flowing liquids**
- **Mass of flowing liquids**

The accreditation certificate shall only apply in connection with the notice of accreditation of 2017-01-18 with the accreditation number D-K-15166-01 and is valid until 2022-01-17. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 2 pages.

Registration number of the certificate: **D-K -15166-01-00**

# Deutsche Akkreditierungsstelle GmbH

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Spittelmarkt 10  
10117 Berlin

Office Frankfurt am Main  
Europa-Allee 52  
60327 Frankfurt am Main

Office Braunschweig  
Bundesallee 100  
38116 Braunschweig

The publication of extracts of the accreditation certificate is subject to the prior written approval by Deutsche Akkreditierungsstelle GmbH (DAkKS). Exempted is the unchanged form of separate disseminations of the cover sheet by the conformity assessment body mentioned overleaf.

No impression shall be made that the accreditation also extends to fields beyond the scope of accreditation attested by DAkKS.

The accreditation was granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009 (Federal Law Gazette I p. 2625) and the Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products (Official Journal of the European Union L 218 of 9 July 2008, p. 30). DAkKS is a signatory to the Multilateral Agreements for Mutual Recognition of the European co-operation for Accreditation (EA), International Accreditation Forum (IAF) and International Laboratory Accreditation Cooperation (ILAC). The signatories to these agreements recognise each other's accreditations.

The up-to-date state of membership can be retrieved from the following websites:

EA: [www.european-accreditation.org](http://www.european-accreditation.org)

ILAC: [www.ilac.org](http://www.ilac.org)

IAF: [www.iaf.nu](http://www.iaf.nu)

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## Annex to the Accreditation Certificate D-K-15166-01-00 according to ISO/IEC 17025:2005

Period of validity: 2017-01-18 to 2022-01-17

Date of issue: 2017-01-18

Holder of certificate:

**KEM Küppers Elektromechanik GmbH**  
**Liebigstraße 5, 85757 Karlsfeld, Germany**

with calibration laboratory:

**Wetzeller Straße 22, 93444 Bad Kötzing, Germany**

Head:	Anton Gams
Deputy:	Stefan Aschenbrenner Florian Breu

Accredited since: 1984-07-06

Calibrations in the fields:

**Fluid Quantities**

- **Liquid flow rate**
- **Volume of flowing liquids**
- **Mass of flowing liquids**

**Permanent Laboratory**

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability <sup>1)</sup>	Remarks
<b>flow quantities</b>	0,9 kg to 8 kg	dynamic weighing method	0,05 %	Measured fluid: fluids with a density from $\rho = 650 \text{ kg/m}^3$ to $\rho = 1000 \text{ kg/m}^3$ and a viscosity from $\nu = 1 \text{ mm}^2/\text{s}$ to $\nu = 100 \text{ mm}^2/\text{s}$
mass <i>m</i> of flowing liquids	90 kg to 600 kg			
Mass flow rate <i>dm/dt</i> of flowing liquids	0,015 kg/min to 1500 kg/min			
volume <i>V</i> of flowing liquids	1 L to 10 L	dynamic weighing method; conversion by using density	0,1 %	
	100 L to 800 L			
volume flow rate <i>dV/dt</i> of flowing liquids	0,016 L/min to 2000L/min			

<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.