

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-19142-01-00 according to ISO/IEC 17025:2005

Period of validity: 2016-01-18 to 2021-01-17

Date of issue: 2016-01-18

Holder of certificate:

ProfEC Ventus GmbH
Im Ofenerfeld 23, 26127 Oldenburg, Germany

with the calibration laboratory:

ProfEC Ventus GmbH
Marie-Curie-Straße 1, 26129 Oldenburg, Germany

Head: Andreas Jansen
Deputy: Mathias Hölzer

Accredited since: 2016-01-18

Calibrations in the fields:

Fluid quantities

- **Velocity of gases**
- **Direction of flow**

Abbreviations used: see last page

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Permanent Laboratory

Measured quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability ¹⁾	Remarks
Velocity of gases anemometers	4 m/s to 16 m/s	IEC 61400-12-1 ED.1: 2005 CDV IEC 61400-12-1 ED.2: July 2015 MEASNET Anemometer Calibration Procedure – Version 2: 2009 wind tunnel (type Göttingen) nozzle: 800 mm x 1000 mm	0.1 m/s	
Direction of flow Direction of flow of gases	0° to 360°	CDV IEC 61400-12-1 ED.2: July 2015 wind tunnel (type Göttingen) nozzle: 800 mm x 1000 mm	0.9°	

Abbreviations used:

IEC International Electrotechnical Commission
MEASNET Measuring Network of Wind Energy Institutes

¹⁾ 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.