



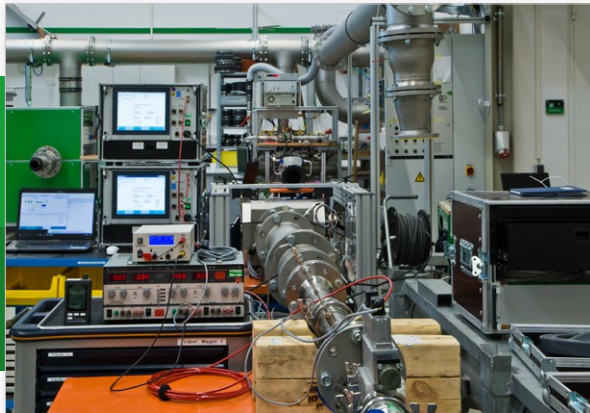
EPE-157645

# Scope of accreditation

EP Instruments / LABORATORY



Made in GERMANY



## Calibration laboratory

### EP Instruments: Flow measurement air

D-K-15143-01-00

Calibrations in the permanent laboratory in Niederstetten

Reference type	Test bench	Measurement range	Achievable uncertainty	Remark
Dual-piston unit	Test bench DPF5000	22 ... 5700 mg/h 20 ... 5000 mL/h	0.8 % + 0.56 mg/h 0.22 % + 0.49 mL/h	
Critically operated nozzles	Mobile nozzle block	6 ... 90 g/h 5 ... 80 L/h	0.20 % + 0.013 g/h 0.24 % + 0.0082 L/h	
	Nozzle block test bench	0.002 ... 24 kg/h 0.002 ... 21 m³/h	0.20 % + 0.0089 g/h 0.24 % + 0.0073 L/h	
	Mobile nozzle block	0.006 ... 90 kg/h 0.005 ... 80 m³/h	0.20 % + 0.022 g/h 0.24 % + 0.018 L/h	
	Test bench with nozzle echelon	1.7 ... 1800 kg/h 1.5 ... 1600 m³/h	0.20 % + 0.68 g/h 0.24 % + 0.46 L/h	
	Test bench with nozzle drum	3 ... 4500 kg/h 2.5 ... 4000 m³/h	0.20 % + 0.0014 kg/h 0.24 % + 0.93 L/h	1)*
	Pulsation-low rotary piston gas meter	Rotary gas meters G65	0.7 ... 120 kg/h 0.6 ... 100 m³/h	0.21 % + 0.0034 kg/h 0.24 % + 0.0029 m³/h
Rotary gas meters G400		6 ... 730 kg/h 6 ... 650 m³/h	0.22 % + 0.11 kg/h 0.25 % + 0.093 m³/h	
Rotary gas meters G1000		10 ... 1800 kg/h 10 ... 1600 m³/h	0.22 % + 0.28 kg/h 0.25 % + 0.25 m³/h	
Turbine wheel gas meter	Turbine wheel gas meter G1600	140 ... 4300 kg/h 130 ... 3750 m³/h	0.23 % + 0.066 kg/h 0.26 % + 0.054 m³/h	
Laminar-Flow- Elements	Mobiles LFE-System	0,0001 ... 15 kg/h 0,0001 ... 13 m³/h	0,60 % + 0,0043 g/h 0,60 % + 0,0041 L/h	
	Blower test bench	6 ... 330 kg/h 5 ... 290 m³/h	0,50 % + 0,13 kg/h 0,50 % + 0,11 m³/h	2)*
		260 ... 2300 kg/h 230 ... 2000 m³/h	0,45 % + 0,43 kg/h 0,45 % + 0,41 m³/h	
Prandtl-tube		2000 ... 11500 kg/h 1700 ... 10000 m³/h	0,40 % + 5,4 kg/h 0,40 % + 5,0 m³/h	

\* See next page



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For special requirements we are happy to advise you. Subject to change. / EPE-157645 / Last update: 08/2017 / V01  
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# Scope of accreditation

## EP Instruments / ON-SITE



Made in GERMANY



### Calibration laboratory

### EP Instruments: Flow measurement air

D-K15143-01-00

Mobile calibrations on-site

Reference type	Test bench	Measurement range	Achievable uncertainty	Remark
Critically operated nozzles	Mobile nozzle block	0.006 ... 90 kg/h 0.005 ... 80 m³/h	0.25 % + 0.076 g/h 0.30 % + 0.065 L/h	
Pulsation-low rotary piston gas meter	Rotary piston gas meter G65	0.7 ... 120 kg/h 0.6 ... 100 m³/h	0.30 % + 0.0033 kg/h 0.35 % + 0.0027 m³/h	3)
	Rotary piston gas meter G400	6 ... 730 kg/h 6 ... 650 m³/h	0.32 % + 0.11 kg/h 0.37 % + 0.093 m³/h	
	Rotary piston gas meter G1000	10 ... 1800 kg/h 10 ... 1600 m³/h	0.32 % + 0.29 kg/h 0.37 % + 0.25 m³/h	
Turbine wheel gas meter	Turbine wheel gas meter G1600	140 ... 4300 kg/h 130 ... 3750 m³/h	0.34 % + 0.054 kg/h 0.39 % + 0.025 m³/h	
Laminar-Flow-Elemente	Mobile LFE-System	0.0001 ... 15 kg/h 0.0001 ... 13 m³/h	0.80 % + 0.0078 g/h 0.80 % + 0.0072 L/h	

- 1) Calibration medium: Atmospheric air at room temperature and atmospheric pressure or compressed air at room temperature up to a maximum of 10 bar overpressure and a maximum of 800 kg/h
- 2) Test bench for fans with calibration medium: Atmospheric air at room temperature and atmospheric pressure
- 3) Calibration medium: Atmospheric air at room temperature and atmospheric pressure or compressed air at room temperature up to a maximum of 10 bar overpressure Maximum flow rates within the limits of availability on-site



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