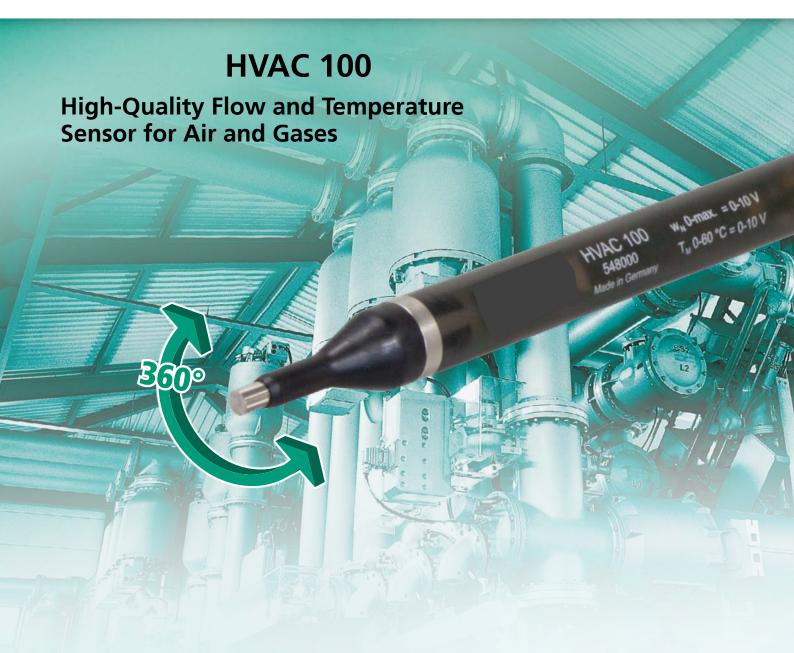
Simply a question of better measurement





Product Features

- Easy-to-Install, without alignment to flow direction, variable immersion depth, extendable
- Integrated evaluation electronics in the sensor tube
- Operating status display via LED
- Maintenance-Free, robust and longterm stable
- Easy-to-Clean (anti-dust-design)

Applications

- Ventilation, exhaust and airconditioning systems
- Control of supply air and exhaust air in fume chambers
- Filter monitoring



Technical Data	
Measuring parameters	standard velocity $\rm w_N$ of air, based on standard conditions 20 °C and 1013.25 hPa medium temperature $\rm T_M$
Medium to be measured	air and gases
Measuring range w _N Measuring accuracy ¹⁾ w _N	0 2.5 m/s ± (4 % of meas. value + 0.05 m/s) 0 10 m/s ± (4 % of meas. value + 0.2 m/s) 0 20 m/s ± (4 % of meas. value + 0.4 m/s)
Lower detection limit w _N	0.2 m/s
Reproducibility W _N	± 1.5 % of measured value
Measuring range T _M	0 +60 °C
Measuring accuracy T _M (w _N > 2 m/s)	± 1 K (10 30 °C); ± 2 K in remaining interval
Response time (t ₉₀) w _N	approx. 10 s (jump from 0 to 5 m/s)
Operating temperature	-10 +60 °C
Humidity range	0 95 % rel. humidity (RH), non-condensing
Operating pressure	atmospheric (700 1,300 hPa)
Operating voltage U _B	24 V DC ± 20 %
Current consumption	typ. < 35 mA (max. 80 mA)
Analog outputs	0 10 V
Burden	$R_L \ge 10 \text{ k}\Omega$; $C_L \le 1 \text{ nF}$
Electrical connection	non-detachable connecting cable, pigtail, length 2 m, 4-pin 0.25 mm², PVC
Cable length (recommended)	15 m max.
Type of protection	IP 40
Protection class	III (SELV)
Min. immersion depth (MID)	35 mm
Dimensions	ø 12 mm, probe length 144 mm
Material	PC, ABS, Nickel-plated Brass
Weight	50 g (probe)
Delivery content	probe, mounting clamp, extension tube, manual

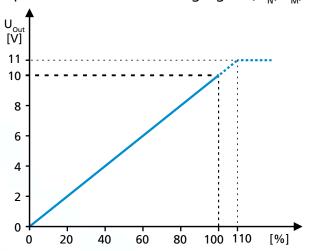
¹⁾ under conditions of the reference

Extension Tube Art.-Nr. 551 300

Extending length 85 mm, set of 5 pcs.



Representation of the Analog Signal (W_N , T_M)



Order Information	
HVAC 100 – 2.5 m/s	548 000-13
HVAC 100 – 10 m/s	548 000-11
HVAC 100 – 20 m/s	548 000-12
Extension Tube (set of 5 pcs.)	551 300

Mounting Clamp

