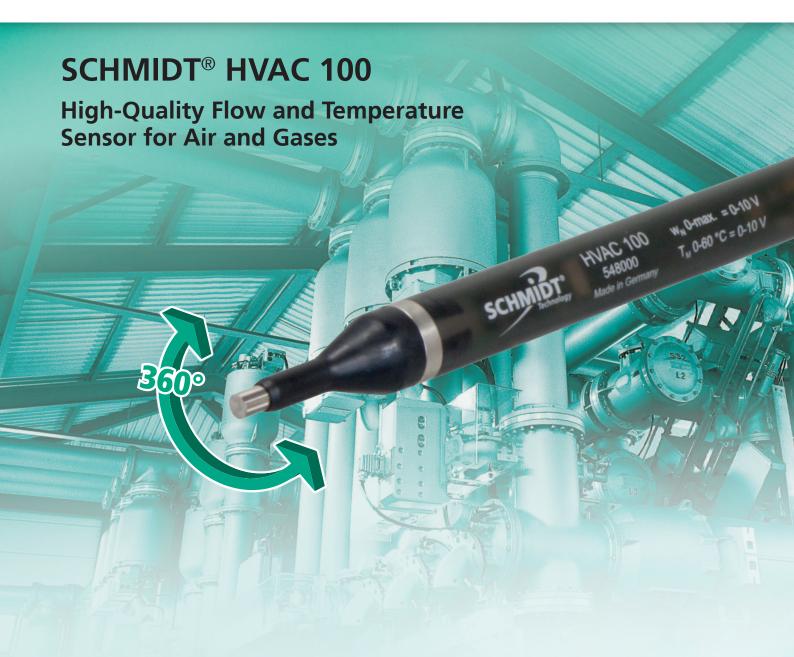
Simply a question of better measurement





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

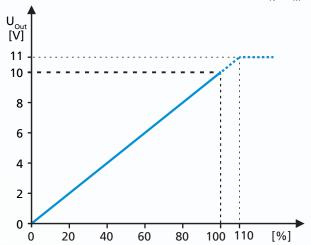
- Ventilation, exhaust and airconditioning systems
- Control of supply air and exhaust air in fume chambers
- Filter monitoring



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
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	measuring mode: non-condensing (< 95 % RH)
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

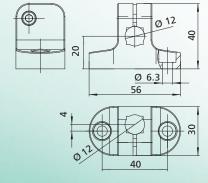
¹⁾ under conditions of the reference

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





Extension Tube Art.-Nr. 551 300

Extending length 85 mm, set of 5 pcs.



SCHMIDT Technology GmbHFeldbergstr. 1 78112 St. Georgen/Germany



Order information SCHMIDT $^{\odot}$ Strömungssensor HVAC 100

	Description	Article Number	
Basic sensor	SCHMIDT® Flow Sensor HVAC w_N and T_M , $0 \dots 10$ V, cable 2 m each including 1 x mounting bracket and 1 x extension tube	548 000 - 1	Υ
	Options		
Measuring range	Measuring range 0 2.5 m/s		3
	Measuring range 0 10 m/s		1
	Measuring range 0 20 m/s		2
	Description	Article Number	
Accessories	Power supply unit 24 V DC / 1 A output, supply voltage 115 / 230 V AC	535 282	
	Extension tubes (5 pcs)	551 300	
	Assembly kit for pipe assembly suitable for MD 10.010 / MD 10.015, including pipe clamps and collar for adjustment to the pipe diameter	531 394	
	SCHMIDT® LED display MD 10.010 in wall housing to show volume flow and flow velocity, 85 250 V AC and sensor power supply	527 320	
	SCHMIDT® LED display MD 10.010, similar to 527 320 but with 24 V DC voltage supply	528 240	
	SCHMIDT® LED display MD 10.015, similar to 527 320 but with an additional sum function and a second measuring input	527 330	
	SCHMIDT® LED display MD 10.015, similar to 527 330 but with 24 V DC voltage supply	528 250	