

vent-captor 3202.3x

The vent-captor type 3202.3x; ideal for all measurement and control tasks within automation processes and other industrial applications where gaseous media have to be controlled. The sensor works according to the calorimetric measuring principle which allows the adjustment of the measuring range to a large quantity spectrum. The sensor operates fully electronically and without mechanically moved parts.

- precise flow measurement
- adjustable measuring range
- temperature independent
- analogue current output 4 – 20 mA
or analogue voltage output 0,1 V – 10 V
- robust industrial design (special encapsulation)
- **ISO 9001 : 2015**



Technical data		
Type	3202.3x/xx	
Medium	gaseous (aggressive media on request)	
Sensor data *1		
Measuring range	0-5 m/s, - 10 m/s, - 20 m/s, - 30 m/s, - 40 m/s, - 50 m/s	
Adjustable	continuously from 20 - 100 % by means potentiometer for zero point and range	
Adjustment characteristics	linear to flow speed	
Linearity deviation	< 5 % best fitting slope	
Repeatability tolerance	< 3 %	
Medium temperature	-20 °C bis +70 °C	
Ambient temperature	-20 °C bis +70 °C	
Pressure	with flange: atmospheric / with PG21: max. 1 bar	
Temperature drift	< 0,3 % K	
Mechanical data		
Protection class	IP 64	
Material sensor probe	ceramic with overglaze	
Material housing	Ultradur (PBTP)	
Electrical connection	2 m oilflex cable / 3 x 0,5 mm ²	
Body dimensions	see drawing at bottom	
Electrical data		
Operating voltage	24 VDC ±30 %	
Current output	3202.30	4 - 20 mA
Load	3202.30	max. 500 Ω
Voltage output	3202.31	0.1 - 10 V
Load	3202.31	≥100 k-Ohm
Power consumption	70 mA - 140 mA (max. flow)	

*1 all data relate to medium air

