

vent-captor 3202.0x

The vent-captor type 3202.0x is an air flow monitor that is used where air and other gases in an automation process need to be monitored.

This compact, electronic sensor works according to the calorimetric measuring principle and without mechanically moving parts. It detects the flow velocity of the medium and converts it into an electrical signal.

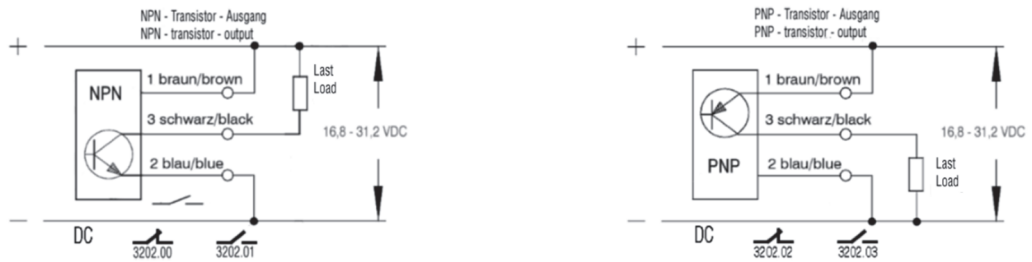
- small compact unit
- adjustable switching point
- temperature independent
- robust construction (fully resin encapsulated)
- **ISO 9001:2015** certified production



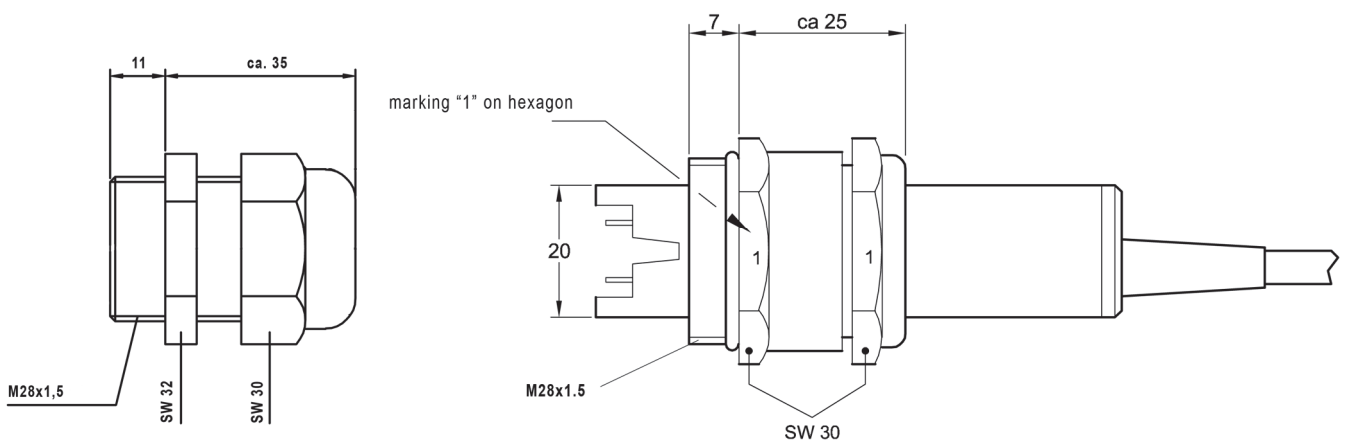
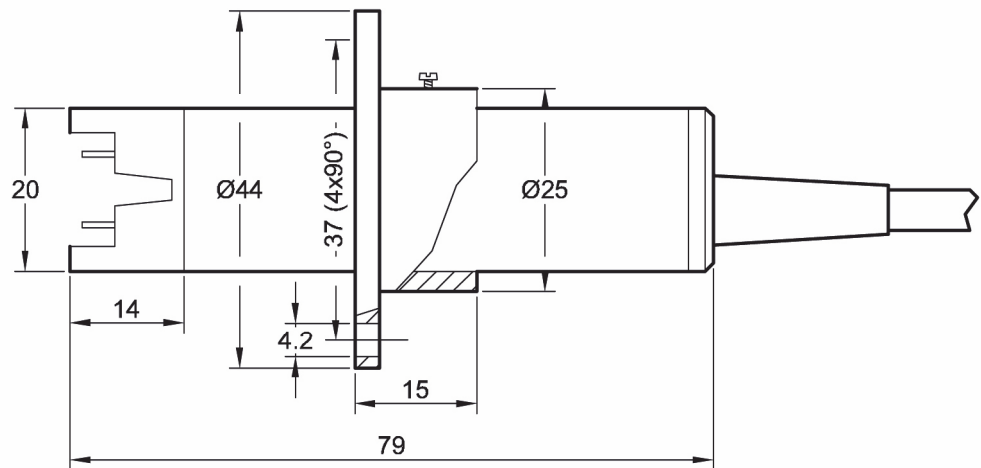
Technical data		
Type	3202.0x	3202.0x/50
Medium	gaseous (aggressive media on request)	
Sensor data*1		
Measuring range	0.3 to 30 m/s	2.0 - 50 m/s
Hysteresis	approx. 0.2 m/s	approx. 0.5 m/s
Adjustment	continuously adjustable	
Display output status	LED red / green	
Repeatability	< 3 %	
Medium temperature	-20 °C to +70 °C	
Ambient temperature	-20 °C to +70 °C	
Pressure	with flange: atmospheric, with PG21: max. 1 bar	
Temperature drift	< 0.3 % per Kelvin	
Mechanical data		
Protection class	IP 64	
Material sensor probe	ceramic with overglaze	
Material housing	Ultradur (PBTP)	
Mounting accessories	flange (included in delivery) / PG21 on request	
Electrical connection	2 m moulded oilflex cable 3 x 0.5 mm ²	
Housing dimensions	see drawing	
Electrical data		
Operating voltage	24 VDC (16.8 - 31.2 VDC)	
Switching current	max. 400 mA	
Power consumption	40 - 140 mA (max. flow)	
Protection circuit	reverse polarity, short circuits and overload protection (ready for operation after correcting the short circuit)	
Starting override time	Type 3203.0x starting override approx. 30 sec. on request	
Electrical output without flow	3202.00 NPN n.c. 3202.02 PNP n.c. 3202.01 NPN n.o. 3202.03 PNP n.o.	

*1 all data related to medium air

connection diagram:



housing dimensions:



with PG21 plastics

with PG21 metal