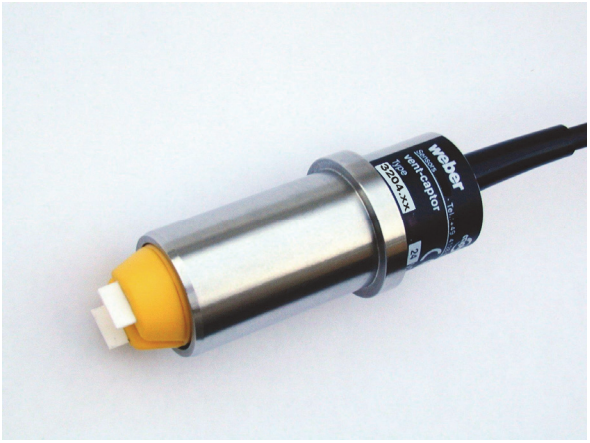
Flow monitor for gaseous media

vent-captor 3204.0x / 3204.5x

The vent-captor type 3204.0x / 3204.5x is an air flow monitor which is used where air and other gases in industrial processes need to be monitored.
The 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
- stainless steel design
- adjustable switching point
- temperature independent
- robust construction (fully resin encapsulated)
- **ISO 9001:2015**

Technical Data						
Type	**3204.0x / 3204.5x**					
Medium	gaseous					
Sensor Data *[1]						
Switching range	1 m/s to 10 m/s, continuously adjustable					
Factory setting	< 4 m/s					
Medium temperature	-20 °C to +70 °C					
Ambient temperature	-20 °C to +70 °C					
Pressure	max .10 bar					
Switching delay	min. 3 sec. / max. 100 sec. depends on set-point adjustment					
Temperature drift	< 0,5 % per Kelvin					
Repeatability	< 3%					
Hysteresis	< 30%					
Mechanical Data						
Protection class	IP 64					
Material sensor probe	Ceramic					
Material housing	Ultradur (PBTP), stainless steel (AISI 303)					
Mounting accessories	union nut G 1" A, SW 37 mm (AISI 303)					
Electrical connection	2 m oilflex cable / 3 x 0,5 mm²					
Housing dimensions	see drawing on second page					
Electrical Data						
Type	3204.00	3204.01	3204.02	3204.03	3204.50	3204.51
Electrical output without flow:	NPN n.c. **current-carrying**	NPN n.o. **currentless**	PNP n.c. **current-carrying**	PNP n.o. **currentless**	Thyr. n.c. **current-carrying**	Thyr. n.o. **currentless**
Operating voltage	24 VDC +10% / -15%, Ripple < 20%				115VAC or 230VAC +6% / -15%	
Switching current	max. 500 mA				5 - 200 mA	
Starting override time	max. 90 sec.					

*[1] all data related to medium air

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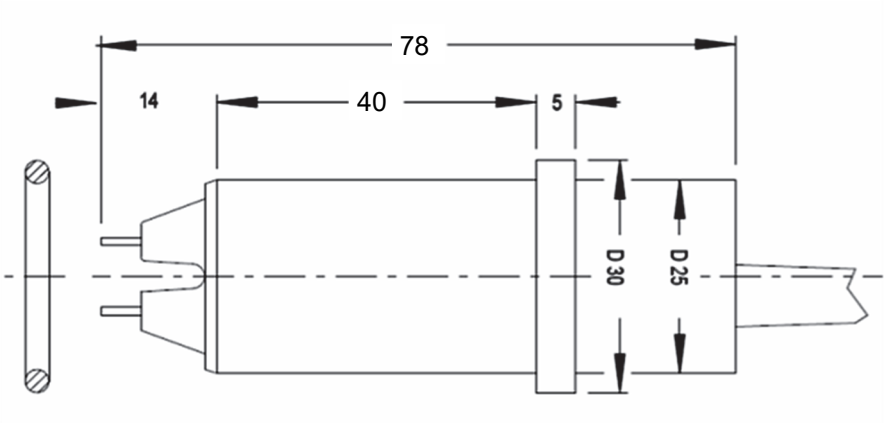
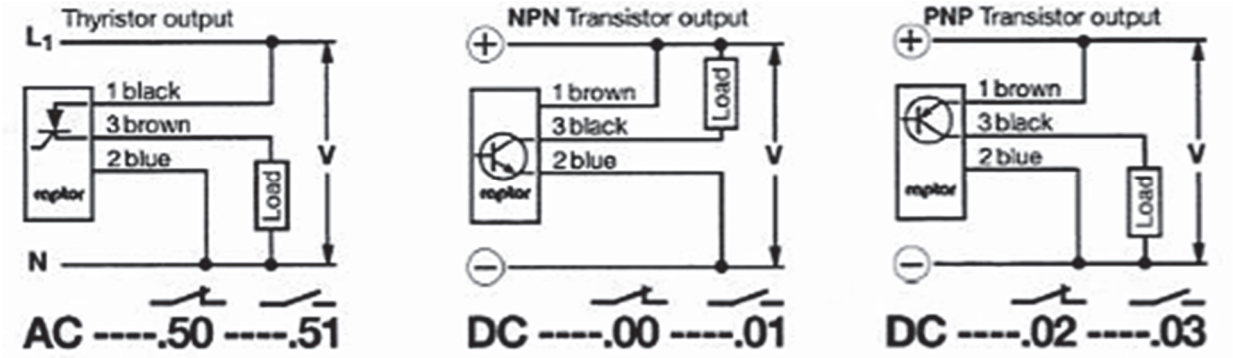
vent-captor 3204.0x / 3204.5x

Dimensions



connection diagram



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