Flow meter for pressurized gases up to 10 bar

vent-captor 3205.0x

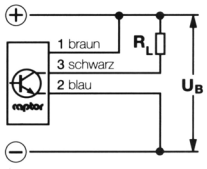
The **vent-captor** 3205.0x is an air flow meter for industrial applications. The vent-captor can be integrated into measurement and control systems without additional components. Its function base upon the calorimetric principle . This vent-captor in a stainless steel housing is particularly suited for use under pressure conditions.

- Precise flow meter for gaseous media up to 10 bar
- Switching point adjustable between 0,5 m/s and 20 m/s
- No moving parts
- LED-display for output status
- **ISO 9001: 2008**

Technical Data	
Type	**3205.0x**
Medium	Gaseous (aggressive media on request)
Sensor Data *	
Measuring range	0,5 m/s to 20 m/s
Adjustment characteristics	Logarithmic to flow speed
Hysteresis	<20%
Repeatability tolerance	< 2%
Medium temperature	-20 °C to + 70 °C
Ambient temperature	-20 °C to + 70 °C
Pressure	max 10 bar
Temperature drift	< 0,3 % / K
Mechanical data	
Protection class	IP 64
Material sensor probe	Ceramic with overglaze
Material housing	stainless steel WN 1.4305 / AISI 303
Electrical connection	2 m oilflex cable / 3 x 0,5 mm²
Mounting	union nut G1A, SW 37 mm (VA2, 303)
Body dimensions	Ø 20/25 x 79,5 mm
Electrical data	
Operating voltage	24 VDC ±30%
Switching current	max. 200 mA
Power consumption	approx. 800 mW – 1,3W (at max. flow)
Starting override time (independly. from switch-point)	approx. 30s at 0,5 m/s to approx. 5s at 20 m/s
Electrical output at no flow	3202.00 NPN n. c. (current-carrying) 3202.02 PNP n. c. (current-carrying) 3202.01 NPN n. o. (currentless) 3202.03 PNP n. o. (currentless)

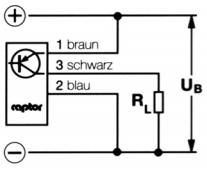
* All data referring to air

NPN- transistor output

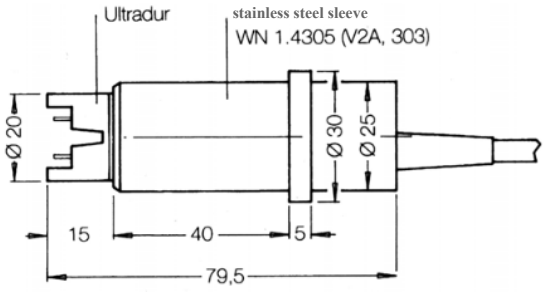


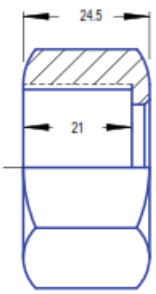
DC
3202.00 3202.01

PNP- transistor output



DC
3202.02 3202.03





weber
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