

Flow meter for pressurized gases up to 10 bar

vent-captor 3205.30/xx

The **vent-captor** 3205.30 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 a new calorimetric principle and provides a wide measuring range up to 50 m/s. 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
- Adjustable measuring range
- New calorimetric principle without moving parts
- Linear current output 4-20 mA
- DIN EN ISO 9001 : 2008
- Types/Measuring range:
/5 : 0-5 m/s, /10 : 0-10 m/s, /20 : 0-20 m/s
/30 : 0-30 m/s, /40 : 0-40 m/s, /50 : 0-50 m/s

Technical Data	
Typ	3205.30
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	Logarithmic 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	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 cabel / 3 x 0,5 mm ²
Body dimensions	D 20/25x L 79,5 mm
Electrical data	
Operating voltage	24 V DC +/- 30 %
Current output	4 - 20 mA
Load	max. 500Ω

*1 all data relate to medium air

