captor®

sperosens
safety through innovation

VENT-CAPTOR 3205.30 - 30M/S & 50M/S

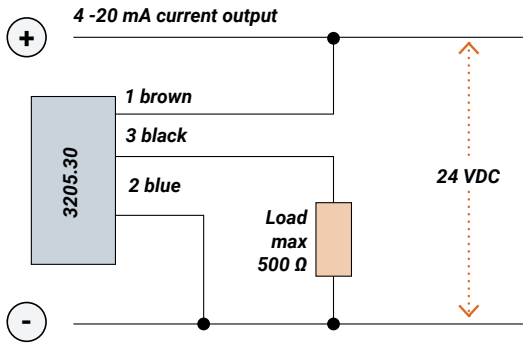
Flow meter for gaseous media pressure resistant up to 10 bar.

The vent-captor type 3205.30; ideal for all measurement and control tasks within automation processes and other industrial applications where gaseous media have to be controlled. Due to its robust stainless steel design it is particularly suitable for use under pressure conditions. The sensor works according to the calorimetric measuring principle which allows the adjustment of the measuring range to a large quantity spectrum. vent-captors operate fully electronically and without mechanically moved parts.

FEATURES:

- Precise flow measurement
- Adjustable measuring range
- Temperature independent
- Analogue current output 4 – 20 mA
- Robust industrial design (special encapsulation)
- ISO 9001: 2015

CONNECTION DIAGRAM:



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VENT-CAPTOR 3205.30 - 30M/S & 50M/S

TECHNICAL DATA

Type	3205.30/xx - (various measuring ranges)
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 % referred to best fitting slope
Repeatability tolerance	< 3 %
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	2m oilflex cable / 3 x 0.5mm²
Body dimensions	see drawing at bottom

ELECTRICAL DATA

Operating voltage	24 VDC ±30 %
Current output	4 - 20 mA
Load	max. 500 Ω
Power consumption	70 mA - 140 mA (max. flow)

*1 all data relate to medium air

HOUSING DIMENSIONS: