

flow monitor for gaseous media

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



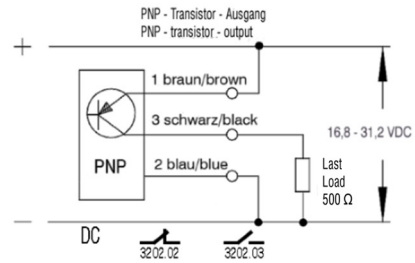
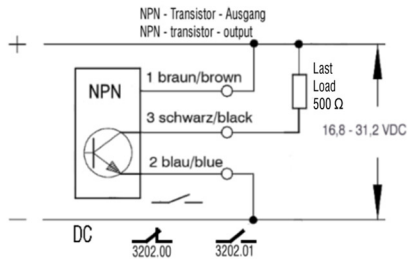
| Technical data | |
|--|--|
| Type | 3202.0x |
| Medium | gaseous (aggressive media on request) |
| Sensor data*1 | |
| Measuring range | 0.5 to 50 m/s |
| Adjustment | continuously adjustable |
| Hysteresis | approx. 0.4 m/s |
| Display output status | LED red / green |
| Repeatability | < 3 % |
| 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 % / K |
| Mechanical data | |
| Protection class | IP 64 |
| Material sensor probe | ceramic with overglaze |
| Material housing | Ultradur (PBTP) |
| 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 (set-point dependent) Type 3203.0x | 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

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connection diagram:



housing dimensions:

