

The vent-captor **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.

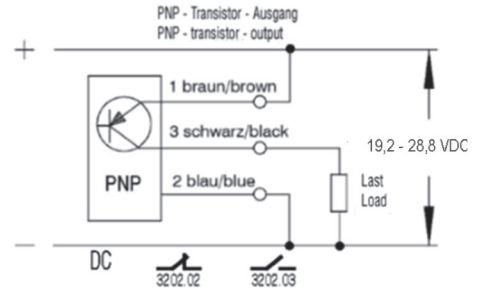
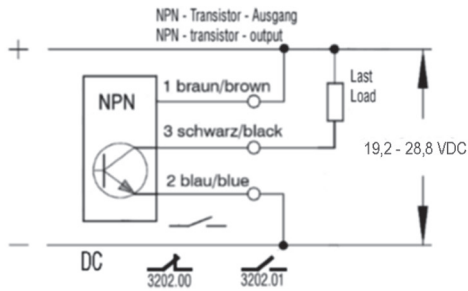
- small compact unit
- x = electrical output (has to be specified)
- adjustable switching point
- temperature compensated
- robust construction (fully resin encapsulated)
- **ISO 9001:2015**



| Technical data | | |
|--------------------------------|--|-----------------|
| Type | 3202.0x | 3202.0x/50 |
| Medium | gaseous (aggressive media on request) | |
| Sensor data*1 | | |
| Switching range | 0.3 to 30 m/s | 2.0 - 50 m/s |
| Hysteresis | approx. 0.2 m/s | approx. 0.5 m/s |
| Adjustment | continuously adjustable | |
| 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 % per Kelvin | |
| Mechanical data | | |
| Protection class | IP 64 | |
| Material sensor probe | ceramic with overglaze | |
| Material housing | Ultradur (PBTP) | |
| Mounting accessories | flange (included in delivery) / PG21 on request | |
| Electrical connection | 2 m moulded oilflex cable 3 x 0.5 mm ² | |
| Housing dimensions | see drawing on page 2 | |
| Electrical data | | |
| Operating voltage | 24 VDC (19.2 - 28.8 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 | Type 3203.0x starting override approx. 30 sec. 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

connection diagram:



housing dimensions:

extended design (NMA)

Standard

