

vent-captor 3202.30

The vent-captor type 3202.30; ideal for all measurement and control tasks within automation processes and other industrial applications where gaseous media have to be controlled. The sensor works according to the calorimetric measuring principle which allows the adjustment of the measuring range to a large quantity spectrum. The sensor operates fully electronically and without mechanically moved parts.

- precise flow measurement
- adjustable measuring range
- temperature independent
- analogue current output 4 – 20 mA
robust industrial design (special encapsulation)
- **ISO 9001 : 2015**



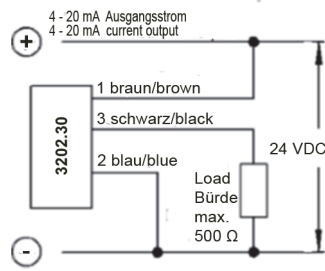
Technical data

| | |
|----------------------------|--|
| Type | 3202.30/xx |
| 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 % best fitting slope |
| Repeatability tolerance | < 3 % |
| Medium temperature | -20 °C bis +70 °C |
| Ambient temperature | -20 °C bis +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) |
| Mounting accessories | flange (included in delivery) / PG21 on request |
| Electrical connection | 2 m oilflex cable / 3 x 0,5 mm ² |
| 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) |

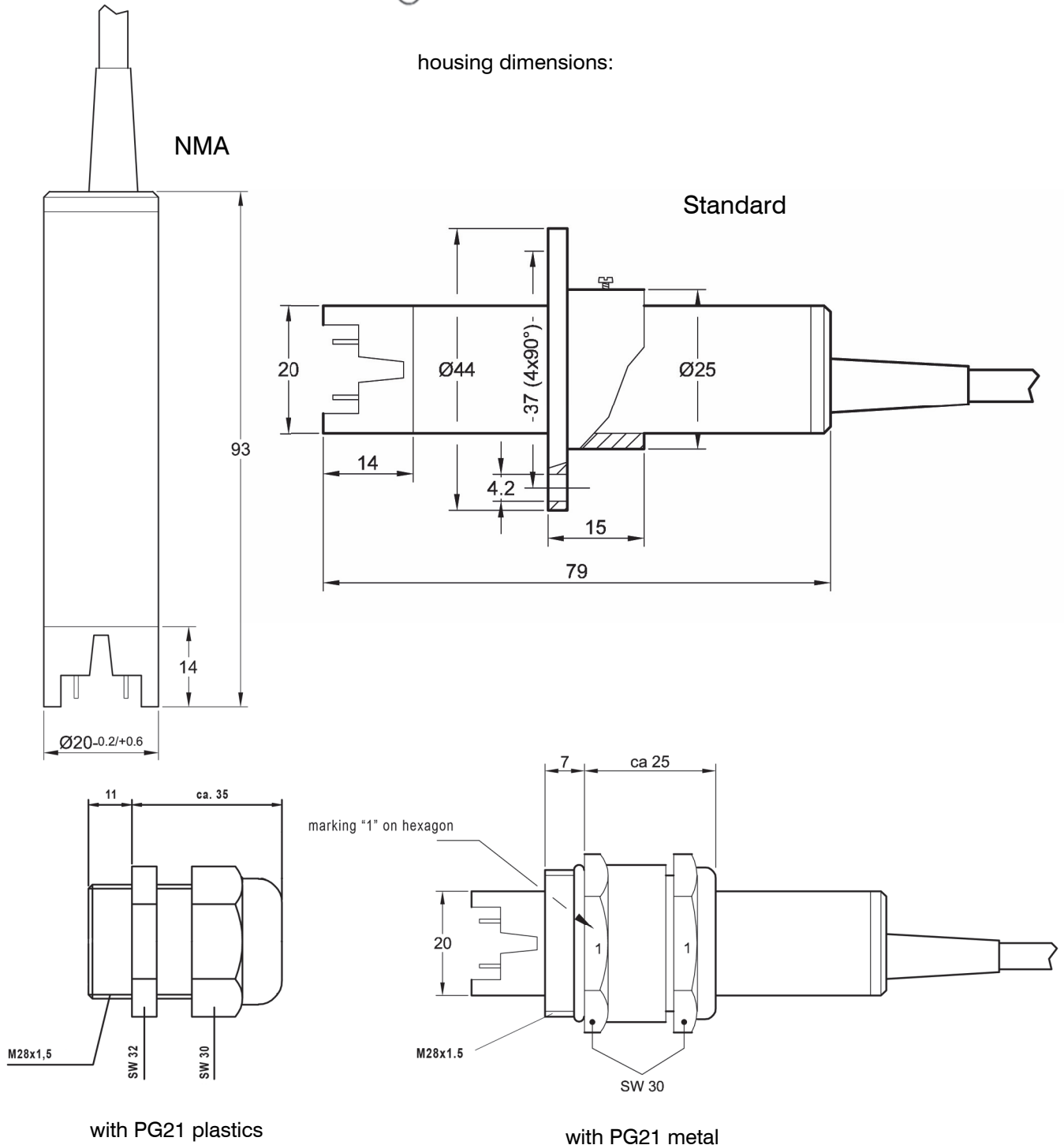
*1 all data relate to medium air

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connection diagram:



housing dimensions:



weber

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