Inline flow monitor for medium gas

vent-captor 3302.1x/xx

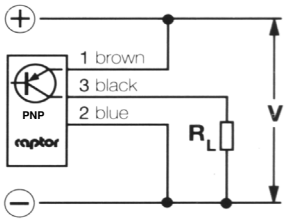
The inline **vent-captor** type **3302.1**x is a compact air mass flow monitor for industrial applications, ideal for small diameters. The operating principle is based on the calorimetric principle. The inline vent-captor is completely resin encapsulated, thus rugged, shock and vibration proof.

- Small diameters
- Ideally suited to small flow volume
- Temperature compensated
- Compact, no additional parts
- LED - output display
- Rugged industrial version
- **ISO 9001 : 2008**

Technical Data	
Typ	**3302.1x/xx**
Medium	Gaseous (aggressive media on request) [1]
Sensor Data *[1]	
Measuring range	0,5 - 20 m/s
Set-point adjustment	stepless over total measuring range
Switching hysteresis	< 20%
Switching delay	approx. 2s when falling below or when exceeding set-point by more then 2 m/s
Repeatability tolerance	< 3%
Medium temperature	-20 °C bis +70 °C
Ambient temperature	-20 °C bis +70 °C
Pressure	10 bar
Temperature drift	< 0,3 % / K
Mechanical data	
Protection class	IP 65
Material sensor pipe	Stainless steel WN 1.4571 / AISI 316Ti
Dimensions in mm sensor pipe	8x1 / 12x1 / 18x1,5 / 22x1,5 / 28x1,5 (diam. x wall thickness)
Torsion between pipe and housing	no torsion allowed
Material sensor probe	Ceramic, platinum with overglaze
Material housing	Makrolon®
Electrical connection	2 m oilflex cabel / 3 x 0,5 mm²
Body dimensions	80 x1 20 x 55 mm (WxHxD)
Electrical data	
Operating voltage	24 V DC ±15%
Electrical output	.12 PNP n.c. / .13 PNP n.o.
Output display	LED ON with flow
Current consumption	approx. 100 - 200 mA (max. flow)
Switching current	≤ 400 mA
Protective circuit	reverse voltage-, short circuit and overload protection (non latching)

*[1] all data relate to medium air normal pressure

Connection diagram:



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Sensors Ltd. · Strohdeich 32 · D-25377 Kollmar · Tel.: +49 4128-591 · Fax: -593 eMail: info@captor.de

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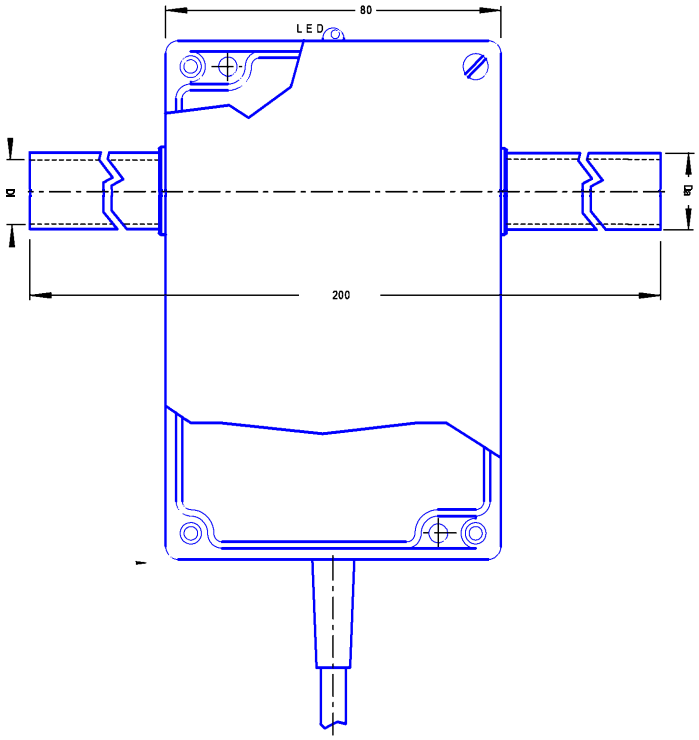
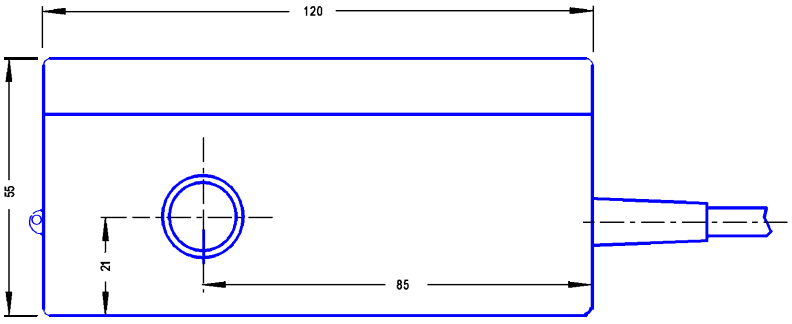
Dimension:





Note

Please specify pipe diameter with order.

OD x thickness
8 x 1
12 x 1
18 x 1,5
22 x 1,5
28 x 1,5

Matl. of pipe: WN 1.4571/AISI 316 Ti

Output	Type	OD	ID
Switch	3302.12	8 12 18 22 28	6 10 15 19 25
	3302.13	8 12 18 22 28	6 10 15 19 25
Analog	3302.3x	8 12 16 22 28	6 10 15 19 25
Frequency	3302.21	8 12 18 22 28	6 10 15 19 25

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