

The inline **vent-captor** type **3302.1x** 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.

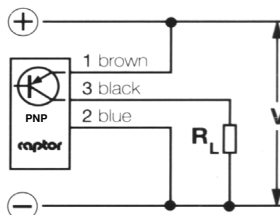
- Small diameters
- Ideally suited to small flow volume
- Temperature compensated
- Compact, no additional parts
- LED - output display
- Rugged industrial version
- **ISO 9001 : 2008**



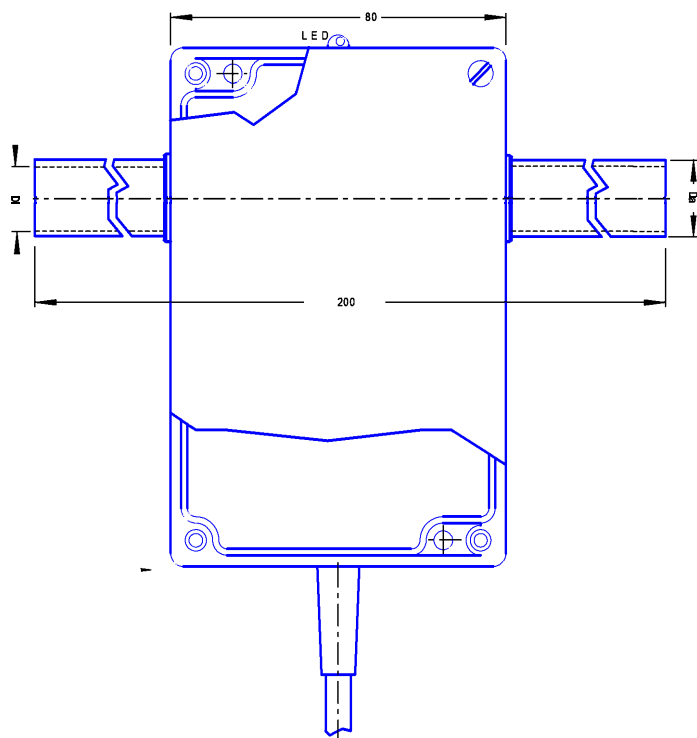
Technical Data	
Typ	3302.1x/xx
Medium	Gaseous (aggressive media on request) ¹
Sensor Data ^{*1}	
Measuring range	0,5 - 20 m/s
Set-point adjustment	stepless over total measuring range
Switching hysteresis	< 20%
Switching delay	approx. 2s when falling below or when exceeding set-point by more then 2 m/s
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 mm ²
Body dimensions	80 x1 20 x 55 mm (WxHxD)
Electrical data	
Operating voltage	24 V DC $\pm$ 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	$\leq$ 400 mA
Protective circuit	reverse voltage-, short circuit and overload protection (non latching)

^{*1} all data relate to medium air normal pressure

Connection diagram:



Dimension:

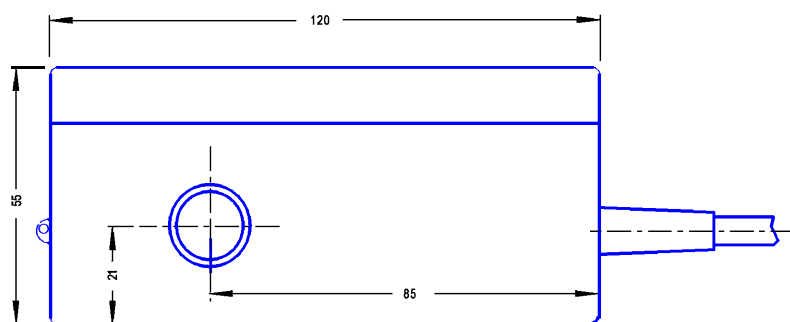


Note

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	6
		12	10
		18	15
		22	19
		28	25
	3302.13	8	6
		12	10
		18	15
		22	19
		28	25
Analog	3302.3x	8	6
		12	10
		16	15
		22	19
		28	25
Frequency	3302.21	8	6
		12	10
		18	15
		22	19
		28	25