

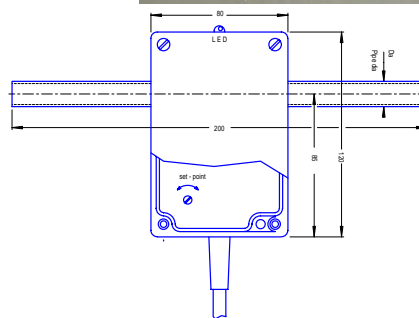
TECHNICAL INFORMATION



Inline vent-captor Type 3302.1-

The inline vent-captor type 3302.1- 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
- **EN ISO 9001 : 2000** certified manufacturing



Pipe dimensions in mm
8x1, 12x1, 18x1,5

Housing dimensions in mm
80x120x55 WxHxD

Sensor data

Measuring range	0,5 - 20 m/s
Set-point adjustment	stepless over total measuring range
Switching hysteresis	< 20%
Switching delay	approx. 2 s when falling below or when exceeding set-point by more then 2 m/s
Repeatability	< 3%
Temperature drift	< 0,3 % / K
Medium	gaseous, all data related to air normal pressure (1 atm _{abs})
Medium-/ambient temperature	-20 °C to +70°C
Protection class	IP 65
Mechanical pressure resistance	10 bar
Electrical connection	moulded oilflex cable, 3 x 0,5 mm ² , Legth 2 m

Mechanical Data

	Inline – sensor pipe	Sensor probe	Housing
Material	stainless steel WN 1.4571 (V4A)	Ceramic, platinum with overglaze	Makrolon®
Dimensions in mm	8x1, 12x1, 18x1,5 (diameter x wall thickness)		
Torsion between pipe and housing or end of vent-captor pipe during mounting.	≤ 10 Nm to ≤ 40 °C ambient temperature		

Electrical data

Operating voltage	24 VDC ± 15%
Current consumption	approx.. 100 - 200 mA (max. flow)
Switching current	≤ 400 mA
Protective circuit	reverse voltage-, short circuit-, and overload protection (non latching)

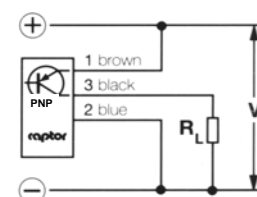
Connection diagram

Order description

Unit-type	(1) Electrical output		(2) Pipe size *		
	PNP, Ö	PNP, S	8x1	12x1	18x1,5
3302.-- (1) / (2)	.12	.13	/ 8	/ 12	/ 18

For example: 3302.13 / 18

* 22x1.5, 28x1.5 on request



weber

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