

# weber

## vent-captor



### 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
- ISO 9002 certified manufacturing
- CE approval

#### Order description

Unit type	(1) Electrical output			(2) Pipe size		
	NPNn.c.	NPNn.o.		8x1	12x1	18x1,5
3302.-- (1) / (2)	.10	.11		/8	/12	/18

For example: 3302.13 / 18

**vent-captor**  
Type 3302.1  
Inline Air flow meter

**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 than 2 m/s
Repeatability	< 1%
Accuracy	N/A
Temperature drift	< 0.3 % / K
Medium	gaseous, all data related to air at normal pressure (1 atm <sub>abs</sub> )
Medium-/ambient temperature	-20 °C to +70°C (-4 °F to +158°F)
Protection class	IP 65 (DIN 40050)
Pressure	10 bar (140 PSI)
Electrical connection	moulded oiflex cable, 3 x 0,5 mm <sup>2</sup> , length 2 m

**Mechanical Data**

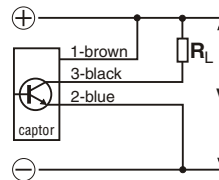
Material: Inline - sensor pipe	stainless steel WN 1.4571 V4A
Sensor probe	Ceramic, platinum with overglaze
Housing	Makrolon
Dimensions (mm) Sensor Pipe	8 x 1, 12 x 1, 18 x 1.5 (diameter x wall thickness)
Housing	65 x 98 x 37
Torsion between pipe and housing or ends of flow-captor pipe during mounting	10 Nm to 40 °C ambient temperature (104 °F)

**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

**Connection Diagram:**

**NPN-transistor output**



**Dimensions:**

