

# weber

## vent-captor



### vent-captor Type 3302.30

The inline vent-captor type 3302.30 is a compact mass flow meter for industrial applications, ideal for small diameters.

The measurement of air flow is based on the calorimetric principle. The inline vent-captor is completely resin encapsulated, thus rugged, shock and vibration proof.

- Small pipe diameters
- Ideally suited to small flow volume
- Temperature compensated
- Compact, no additional parts
- Linear current output 4 -20 mA
- LED - output display
- Rugged industrial version
- ISO 9002 certified manufacturing
- CE approval

#### Order description

Unit type	(1) Measuring Range				(2) Pipe Diameter		
	5 m/s	10 m/s.	20 m/s	30 m/s.	8x1	12x1	18x1,5
3302.30/(1) / (2)	5	10	20	30	8	12	18

For example: 3302.30 / 10 /12

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Type 3302.30

Inline Air flow meter

## Sensor Data

Measuring range	<b>0 - 5 m/s</b> <b>0 - 10 m/s</b> <b>0 - 20 m/s</b> <b>0 - 30 m/s</b>
Measuring range adjustment	Continually adjustable from 20 % to 100 % of the special measuring range, 2 potentiometers ( zero point, range )
Accuracy	< 3 %
Repeatability	< 1 %
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)
Mechanical pressure-resistance	10 bar (140 PSI)
Electrical connection	Moulded oilflex cable, 3 x 0,5 mm <sup>2</sup> , length 2 m

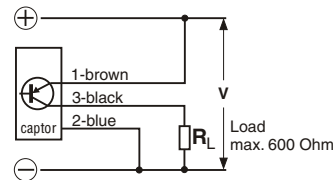
## Mechanical Data

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. 800 mW 1.3 W ( at max. flow )
Output current	4 - 20 mA
Load	0 - 600 Ohm max.

## Connection Diagram:



## Dimensions:

