

# weber

## vent-captor



- Air flow monitor with two individual Set-points.
- Compact flow-monitor for gaseous media.
- No moving parts.
- Long life irrespective of switching frequency.
- Simple installation with mounting flange.
- Set-points adjustable between 0.5 and 30 m/s.
- Rugged, small aluminum body with Ultradur sensor housing.

## vent-captor Type 3202.12 / --.13 S300

The vent-captor type 3202.- is a solid-state flow-monitor for air or gaseous media in a wide variety of industrial applications.

Being totally encapsulated in epoxy resin, with no moving parts, this small, compact unit operates with high precision and high repeatability in harsh industrial environments.

The construction and design of the vent-captor ensures a long, maintenance-free life.

The maintenance-free air flow monitor is simple to install with the integrated mounting flange.

### Sensing Data

Medium	gaseous	
	Electrical output	PNP N.C. (.12)
Switching range	0 - 30 m/s*	
Repeatability	< 1%	
Hysteresis	0.8 - 1.2 m/s	
Switching delay	min. 1s to max. 30s	
Temperature drift	< 0.3 %/K	
Medium / ambient temperature	-20°C to +70 °C (-4 F to +160 F)	

\* All data related to air

# vent-captor

Type 3202.12, 3202.13  
Compact air flow monitor  
with two switching points

## Typical Application

### Examples:

vent-captor air flow-monitors are used to monitor air flow in a wide variety of industrial applications for air or gaseous medium e. g. air conditioning, ventilation, air filter monitoring, extraction fans, blowers, damper regulators and controlling air flow rates in energy conservation systems.

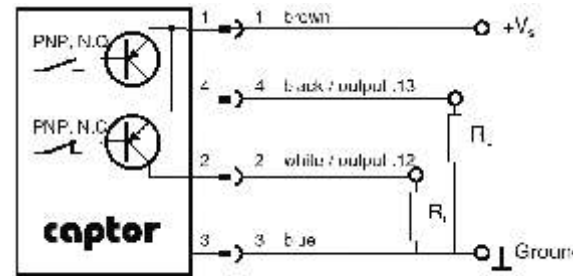
The vent-captor is also ideal for monitoring air flow in thyristor cabinets, motor/generators and shipping containers.

## Electrical Data

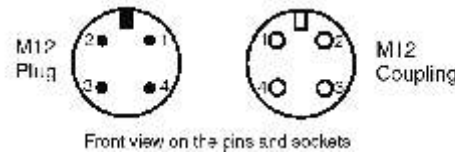
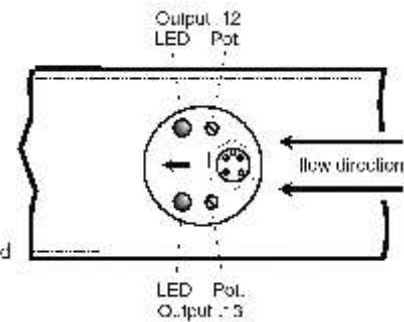
Electrical output	.12	.13
Output	PNP N.C.	PNP N.O.
Supply voltage	24 VDC (18 to 30VDC incl. residual ripple)	
Power consumption	approx. 800 mW to 2.4 W	
Switching current	0 - 400 mA	
Circuit protection	reverse polarity	
Output protection	short circuit and overload, pulsing	
Starting override time	approx. 30 s at 0.5 m/s to approx. 5 s at 30 m/s set-point	

Display	2-color LED: green/red		2-color LED: green/red	
During starting override time	LED red	ON	LED green	ON
flow > set-point	LED red	ON	LED green	ON
flow < set-point	LED green	ON	LED red	ON
Set-point adjustment	18 turn potentiometer			

## Connection Diagram:



## Positioning



## Mechanical Data

Protection standard	IP 64
Material - sensor probe	ceramic with overglaze
- sensor housing	PBTP, Fiberglass reinforced ( Ultradur )
- electronic housing	aluminum, chromized
Electrical connection	M12, 4 pin male socket + connection cable 4x0,5 mm <sup>2</sup> , 2 m with female plug
Weight	200 g (0.44 LBS)