

● Characteristics

440 - MODULAR - COMPACT - FLOW



- Input:	0...25 m/s (gases)
- Output:	4...20 mA / 0...20 mA / 0...10 V
- Medium:	Air, non-corrosive gases
- Measuring element:	Calorimetric
- Interface:	Optional RS232 (Adapter necessary)
- Process connection:	several options
- Protective tube:	Ø 6 x 0,5 mm (standard)
- Material:	Stainless steel 1.4571
- Electrical connection:	several options
- Supply:	24 VDC ±10%
- Protection class:	IP67, casing inside completely potted

● Technical Data

Input

Flow:	0...25 m/s Reference conditions: 20 °C, 1013 hPa
Medium:	Air, non-corrosive gases
Measuring principle:	Calorimetric

Output

Current signal:	4...20 mA / 0...20 mA / 0...10 V
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Accuracy

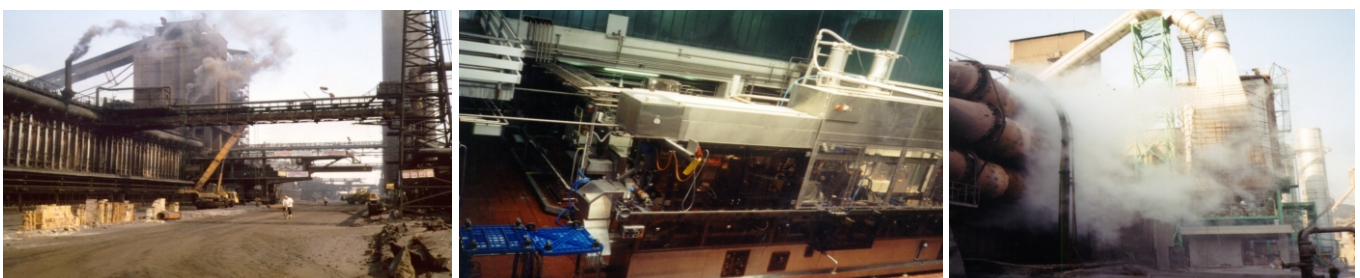
Sensor:	Gases:	0...2 m/s: <5% of terminal value
		2...10 m/s: <10% of terminal value
Times (approx. values):	Step response:	<30 s
	Availability:	<1 min. after switch-on

Current Supply

Voltage:	24 VDC ±10%
Current consumption:	100 mA maximum

● Applications

For usage in applications requiring flow as trend display. E. g. heating installations, ventilating and air-conditioning plants, fire-suppression systems or machine units. The sensor is very resilient, due to its compact design, compact dimensions and the material used.



● **Technical Data (Continued)**

Environmental Conditions

Operating temperature: -40...+85 °C
Storage temperature: -40...+100 °C

Mechanics

Casing: with MIL plug: Ø 31 x 98 mm + fitting length
 with valve plug: Ø 31 x 102 mm + fitting length
 with M12x1 plug: Ø 31 x 88 mm + fitting length
 with cable gland: Ø 31 x 97 mm + fitting length

Material: Protective tube, casing body: Stainless steel 1.4571

Color: Stainless steel nature

Weight: with MIL plug: approx. 260 g
 with valve plug: approx. 220 g
 with M12x1 plug: approx. 220 g
 with cable gland: approx. 220 g

(at fitting length 100 mm, weight can deviate depending on fitting length)

Connection: MIL plug D38999, 6-pole
 Valve plug DIN EN 175301-803, 4-pole
 M12x1 plug, RSE4-compatible, 4-pole
 Cable gland M12x1,5 MS-SC-M, 2 m cable

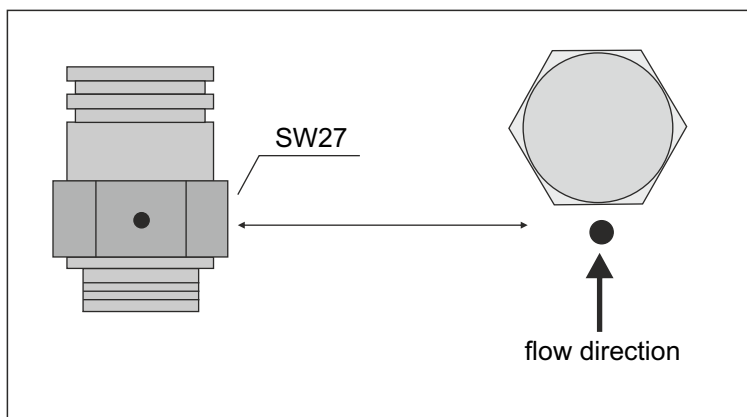
Protection class: IP67

● **Setting**

Configurable Parameters (via RS232)

- Measurement ranges
- Output (analog standard / inverted)
- adjustable offset
- Simulation (on / off)
- Error behavior
- Damping (0...60 s)
- Measuring point identification / TAG

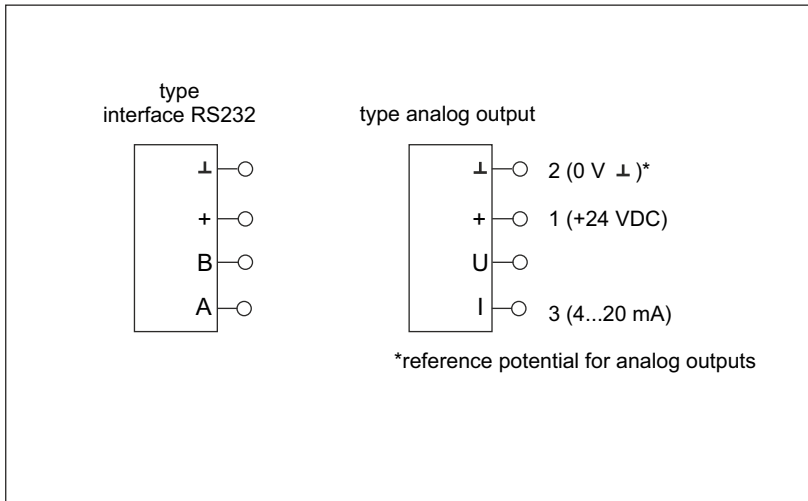
● **Mounting**



The casing body is marked with a prick-punch mark. The mark indicates flow direction of the medium. When mounting the sensor, the flow direction should point to the mark.

If necessary, use washers.

● Electrical Connection



● Dimensions (in mm)

