

flow-captor 4114.70

The flow-captor 4114.70 is a universally applicable solid-state flow monitor in cylindrical housing for industrial applications. The construction and design of this flow-captor makes application ideal even in inaccessible places and harsh environmental conditions. The flow-captor operates according to the calorimetric principle without any moving parts. Installation by means of a stainless steel union nut is simple and allows fitting in any pipe assembly. The construction of the sensor provides for non-intrusive flow sensing and does not obstruct the pipe diameter.

- Precise switching flow monitor for liquid and pasty media.
- Set-point adjustable from 0,2 m/s to 2 m/s relating to medium water
- Calorimetric principle without moving parts
- LED-display for output status
- **ISO 9001 : 2015**



Technical Data

Typ	4114.70	
Medium	waterbased media (aggressive media on request)	
Sensor Data *1		
Measuring range	0,2 m/s to 2 m/s, continuously adjustable	
Adjustment characteristics	Logarithmic to flow speed	
Medium temperature	- 10 °C to + 80 °C	
Ambient temperature	- 10 °C to + 60 °C	
Pressure	Max. 30 bar	
Response time	2 -10 sec. depends on measuring conditions	
Repeatability	< 5%	
Temperature drift	< 0.5% pro Kelvin	
Hysteresis	< 15%	
Mechanical Data		
Protection class	IP65	
Material housing / sensor	stainless steel WN 1.4305 / AISI 303 (other material on request)	
Mounting accessories	Union nut G 1 1/4" A, SW 50 mm (stainless steel WN 1.4305 / AISI 303)	
Electrical connection	2 m moulded oilflex cable 3 x 0.5 mm ²	
Dimensions	L = 109,5 mm; B = 32 mm	
Electrical Data		
Operating voltage	24V AC/DC ±10%	
Current consumption	Max. 200 mA	
Initial operation	approx. 10 sec. after connection of power	
Electrical output without flow	PNP n.o.(closer) currentless	
LEDs	green: flow - rate > set - point	red: flow - rate < set point

*1) data relate to water

