

# Flow monitor for waterbased media



## flow-captor 4114.70

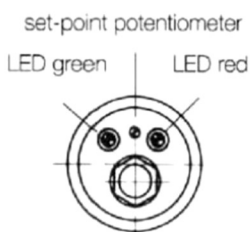
The flow-captor 4114.70 is a universally applicable solid-state flow monitor in cylindrical housing for industrial applications. The construction and design of this flow-captor makes application ideal even in inaccessible places and harsh environmental conditions. The flow-captor operates according to 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.



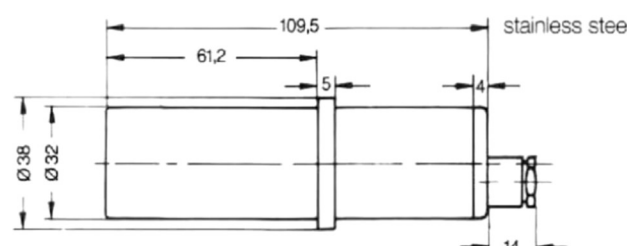
- Precise switching flow monitor for liquid and pasty media.
- Set-point adjustable from 0,2 m/s to 2 m/s relating to medium water
- Calorimetric principle without moving parts
- LED-display for output status
- **ISO 9001 : 2015**

Technical Data	
Typ	<b>4114.70</b>
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 s depends on measuring conditions
Repeatability	< 5%
Temperature drift	< 0,5% / K
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 <sup>2</sup>
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 s 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



Dimensions in mm



AC / DC-transistor output  
DC: NPN output

