

Flow monitor for waterbased media



flow-captor 4114.70

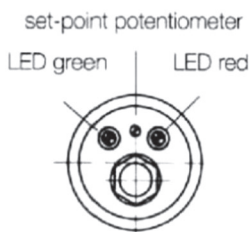
The flow-captor 4114.70 is a universally applicable solid-state flow monitor in cylindrical housing for industrial applications. The construction and design of this flow-captor makes application ideal even in inaccessible places and harsh environmental conditions. The flow-captor operates according to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

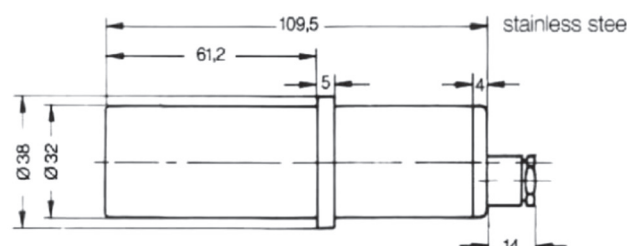


Technical Data	
Typ	4114.70
Medium	waterbased media (aggressive media on request)
Sensor Data *1	
Measuring range	0,2 m/s to 2 m/s, continuously adjustable
Adjustment characteristics	Logarithmic to flow speed
Medium temperature	- 10 °C to + 80 °C
Ambient temperature	- 10 °C to + 60 °C
Pressure	Max. 30 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

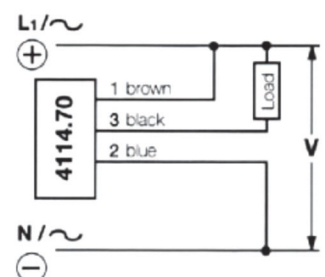
*1) data relate to water



Dimensions in mm



AC / DC-transistor output
DC: NPN output



weber

Sensors GmbH Strohdeich 32
Sensors Ltd. 66 Eastbourne Road, Southport
Sensors LLC. 4462 Bretton Court, Building 1, Suite 7

DE-25377 Kollmar, Germany Tel.: +49 (0)4128 - 591 · Fax: - 593
Merseyside PR8 4DU, UK Tel.: +44 (1704) - 551684 · Fax: - 551297
Acworth, Georgia 30101, USA Tel.: +1 (770) 592 - 6630 · Fax: - 592 6640

www.captor.de
info@captor.de
sales@captor.co.uk
sales@captor.com

Technical data subject to alteration! Rev. AE 26.01.22