Flow meter for waterbased media

flow-captor 4115.30

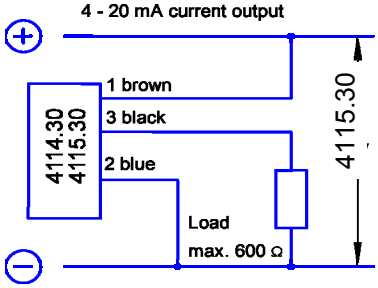
The **flow-captor** 4115.30 is a flow meter for industrial applications which can be installed virtually non-intrusively into any pipe without obstruction of the pipe diameter. This flow-captor operates accordingly to the calorimetric principle providing a wide measuring range. Completely epoxy resin encapsulated this flow-captor is a compact, rugged, shock and vibration resistant sensor with proven reliability and long-term stability, even under the most harsh environmental conditions.

- precise flow meter for waterbased media
- adjustable measuring range
- without any moving parts
- linear current output 4 – 20 mA
- housing and sensor head stainless steel AISI 303
- **ISO 9001:2015**

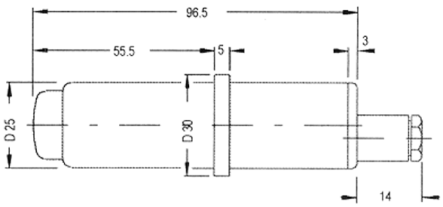
Technical Data		
Type	**4115.30**	**4115.30 S115**
Medium	waterbased media	oilbased media
Sensor Data *[1]		
Measuring range	cont. adjustable from 0 - 20 cm/s to 0 - 200 cm/s[1)]	cont. adjustable from 0 - 200 cm/s[2)]
	other range on request	
Set-point range	Zero point and range adjustment by potentiometer	
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	
Linearity deviation	< 5% best fitting slope	
Repeatability	< 2%	
Temperature drift	< 0,3% / K	
Mechanical Data		
Protection class	IP65	
Material housing / sensor	stainless steel WN 1.4305 / AISI 303 (other material on request)	
Material of sensor head	stainless steel AISI 303	
Mounting accessories	Union nut G1A, SW 37 mm (stainless steel WN 1.4305 / AISI 303)	
Electrical connection	2 m moulded oilflex cable 3 x 0,5 mm²	
Housing dimensions	Ø 25/30 x 96,5 mm	
Electrical Data		
Operating voltage	24 VDC ±10%	
Current consumption	approx. 100 - 200 mA (at max. flow)	
Current output	4 - 20 mA	
output display	green LED	
Load	max. 600Ω	

* 1) data relate to water 2) calibrated with insulation oil type "Shell Diala"

Connection diagram:



Housing dimensions:



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