

flow-captor 4311.30M/xx

The flow-captor type 4311.30M/xx is a non-reactive flow meter, ideal for all measurement and control tasks in automation processes or other industrial applications. The 4311.30M/xx is an inline model specially designed for installation in smaller pipe diameters. The sensor works according to the calorimetric measuring principle. The detection takes place in the inline tube, whereby the sensor measures the "heat flow" depending on the flow velocity of the medium and converts it into a linearized, flow-proportional, electrical signal.



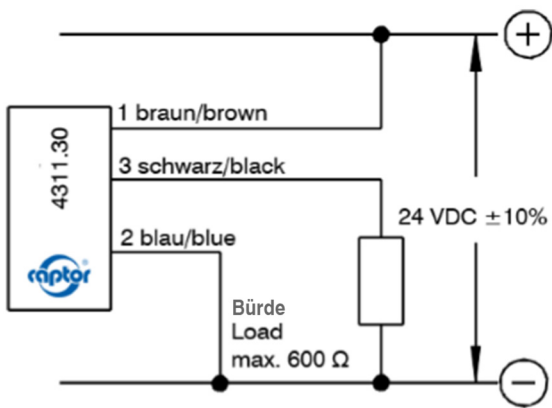
- robust stainless steel construction (special potting)
- for smaller pipes from OD8 up to OD28
- analogue current output 4 – 20 mA
- separate potentiometers for zero point and measuring range
- fully electronic functionality without mechanically moving parts
- LED display for output status
- **ISO 9001:2015**

Technical data

Type	4311.30M/xx	
Medium	water-based (other media on request)	
Sensor data *1		
Measuring range	0 - 20 cm/s to 0 - 100 cm/s, continuously adjustable	
Medium temperature	-10 °C to +80 °C	
Ambient temperature	-10 °C to +60 °C	
Response time	2 - 10 sec. according to measuring conditions	
Linearity deviation	< 0.5 % (best fitting slope)	
Repeatability	< 2 %	
Temperature-drift	< 0.3 % / K	
Mechanical data		
Protection class	IP67	
Operation pressure	max. 30 bar	
Material housing	stainless steel AISI 316	
Material of sensor tube	stainless steel AISI 316 (other material on request)	
Torque of tube against housing	≤ 10 Nm	≤ 80 °C
Housing and tube dimensions	see second page	
Electrical connection	2 m oilflex cable	
Electrical data		
Operating voltage	24 VDC ±10 %	
Current consumption	max. 100 mA	
Output current	4 - 20 mA	
Resistive load	0 - 600 Ohm	
LED indication	A green LED indicates operation within (LED on) and outside (LED off) of the set measuring range.	

*1) related to water

connection diagram:



Dimensions:

