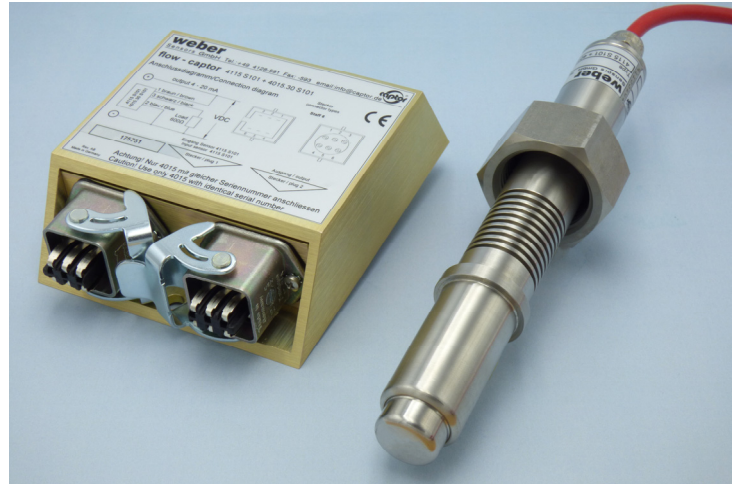


Flow meter for liquid media



flow-captor 4115 S101 + 4015.3x S101

The flow-captor type 4115 S101 + 4015.3x S101; ideal for all measurement and control tasks within automation processes or other industrial applications where liquid media must be controlled. Remote systems are used, for example, where due to a higher medium temperature the electronics must be placed separately from the sensor. The system works according to the calorimetric measuring principle, which enables the adjustment of the measuring range to a large quantity spectrum. The flow-captor works fully electronically and without mechanically moving parts. The sensor detects the flow velocity of the medium and converts it into an electrical signal.



- precise flow measurement
- adjustable measuring range
- medium temperature up to 275 °F
- analogue current output 4 – 20 mA or voltage output 0.1 – 10 V
- robust industrial construction (special potting of sensor head and electronics)
- **ISO 9001:2015**

Technical data	
Type	4115 S101 + 4015.3x S101
Medium	water-based
Sensor data	
Measuring range	continuously adjustable from 0 to 20 cm/s / from 0 to 200 cm/s (other range on request)
Adjustibility	stepless from 10 % - 100 % by means of zero point and measuring range potentiometer
Medium temperature	max. +135 °C / 275 °F
Ambient temperature	max. +70 °C / 158 °F
Pressure	max. 30 bar
Response time	2 -10 sec. depends on measuring conditions
Linearity deviation	< 5 % most favourable straight line related to the final value
Repeatability	< 2 %
Temperature drift	< 0.3 % K
Mechanical data	
Protection class	IP65
Material housing / electronics	aluminium - chromized
Material of sensor head	stainless steel AISI 303 (other material on request)
Installation	by means of union nut G 1" A, SW 37 mm (stainless steel AISI 303)
Sensor cable	2 m encapsulated, shielded silicone cable 3 x 0,5 mm ²
Electrical connection	Staf@6
Dimensions	see second page
Electrical data	
Operating voltage	24 VDC ±10 %
Power consumption	approx. 100 - 200 mA (at max. flow)
Output 4015.30	4 - 20 mA
Load 4015.30	max. 600 Ω
Output 4015.31	0.1 - 10 V
Load 4015.31	≥ 100 k-Ohm
Protection circuit	reverse polarity & short circuit / overload protected up to max. 30 VDC only
Output display	green LED

*¹⁾ data relate to water

weber

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

DE-25377 Kollmar
Merseyside PR8 4DU, UK
Acworth, Georgia 30101, USA

Tel.: +49 (0)4128 - 591 · Fax: - 593
Tel.: +44 (1704) - 551684 · Fax: - 551297
Tel.: +1 (770) 592 - 6630 · Fax: - 592 6640

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

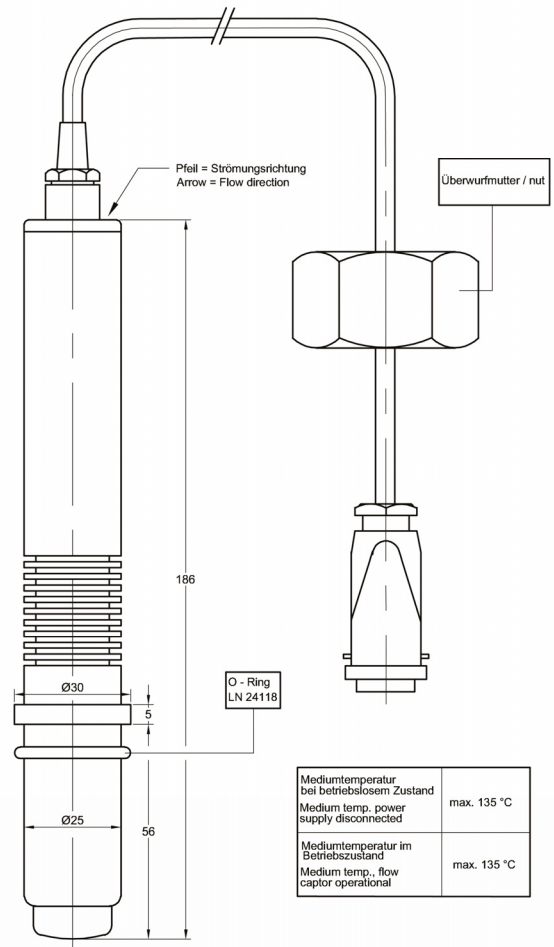
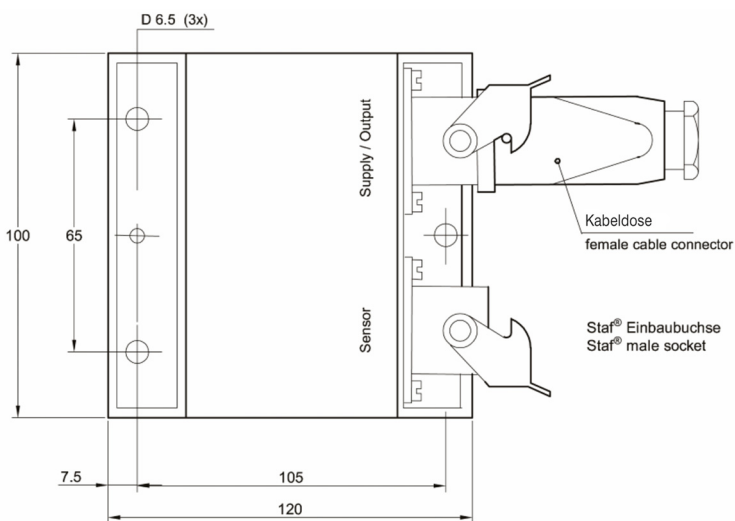
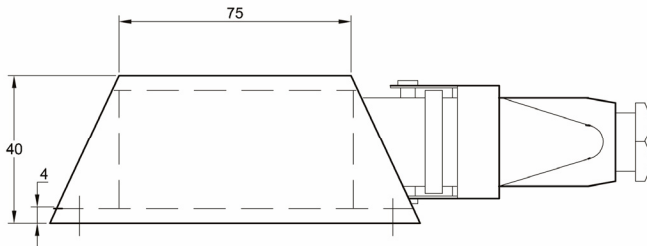
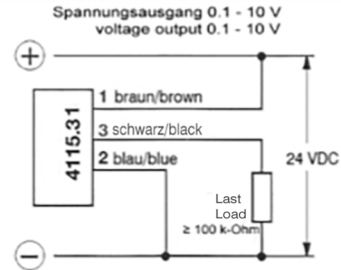
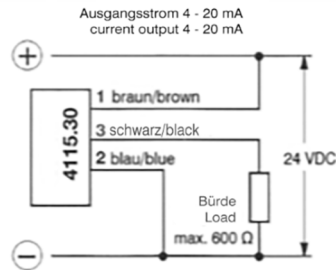
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Flow meter for liquid media



flow-captor 4115 S101 + 4015.3x S101

Connection diagram:



Mediumtemperatur bei betriebslosem Zustand Medium temp. power supply disconnected	max. 135 °C
Mediumtemperatur im Betriebszustand Medium temp., flow captor operational	max. 135 °C

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sales@captor.com

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