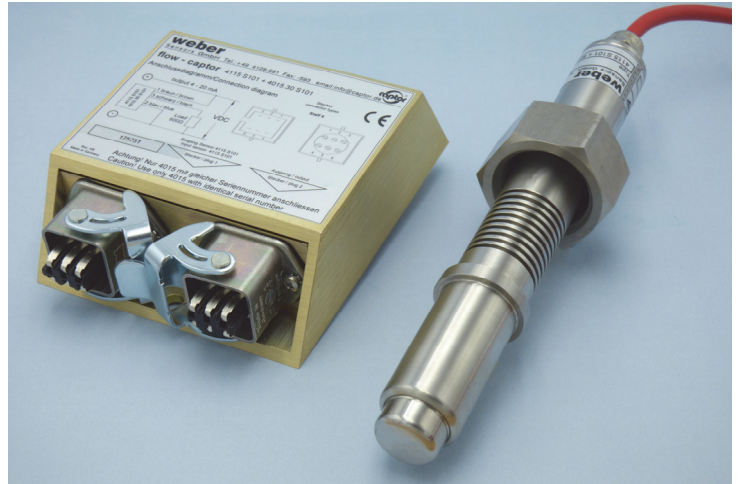


Flow meter for liquid media



flow-captor 4215 S101 + 4615.30 S101

The flow-captor type 4215 S101 + 4615.30 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 temperature and 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
- analog current outputs 4 – 20 mA
- temperature output
- robust industrial construction (special potting of sensor head and electronics)
- **ISO 9001:2015**

Technical data	
Type	4215 S101 + 4615.30 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)
Adjustability	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 % per Kelvin
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 shielded silicone cable
Electrical connection	Staf®6
Dimensions	see second page
Electrical data	
Operating voltage	24 VDC ±10 %
Power consumption	approx. 100 - 230 mA (at max. flow)
Output flow	4 - 20 mA
Load flow	max. 600 Ω
Output temp	4 - 20 mA
Load temp	max. 600 Ω
Temperature range	+25 °C / +77 °F - +135 °C / +275 °F
Protection circuit	reverse polarity, short circuit and overload protected up to max. 30 VDC
Output display	green LED

^{*)} data relate to water

weber

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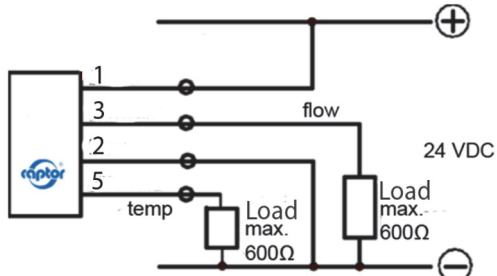
Technical data subject to alteration! Rev. AC 10.02.20

Flow meter for liquid media



flow-captor 4215 S101 + 4615.30 S101

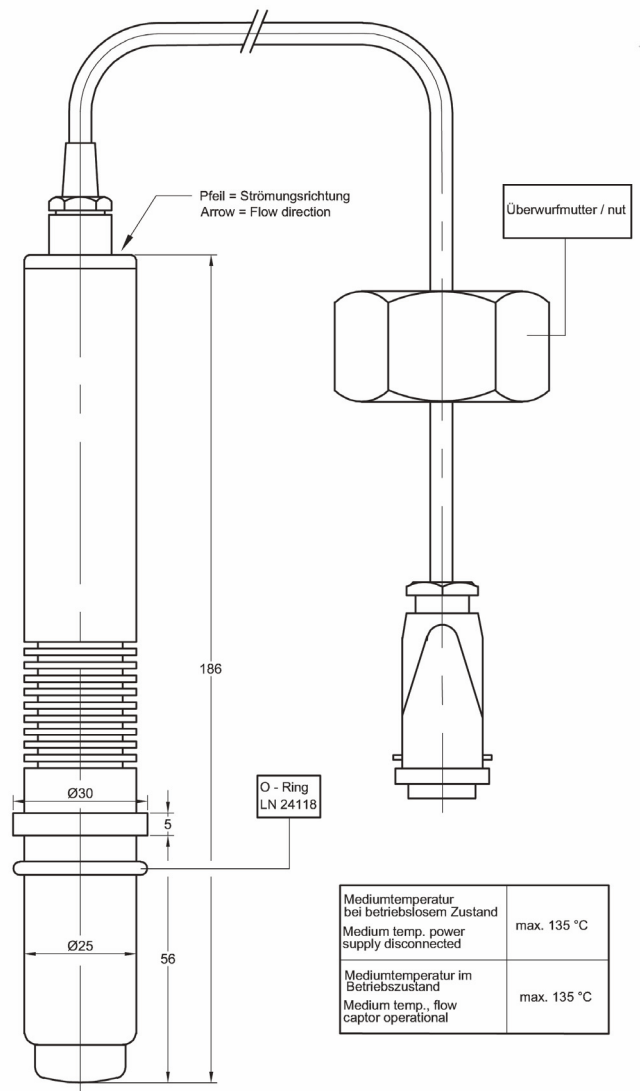
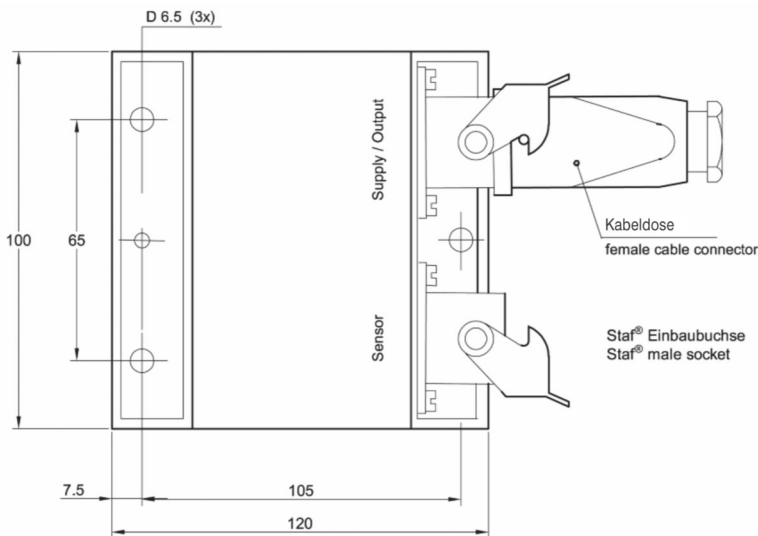
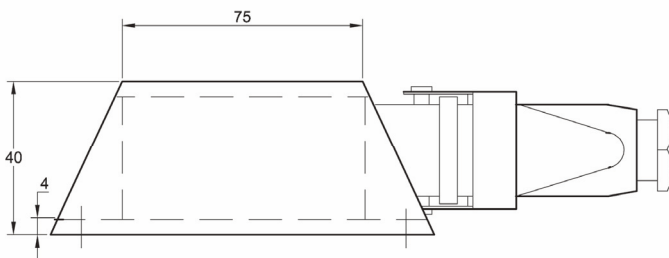
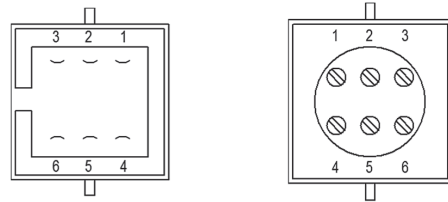
Connection diagram:



1	+	24 VDC
2	-	0 VDC
3	Flow	4 - 20 mA
5	Temp	4 - 20 mA

Connector types

Staf® 6



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

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