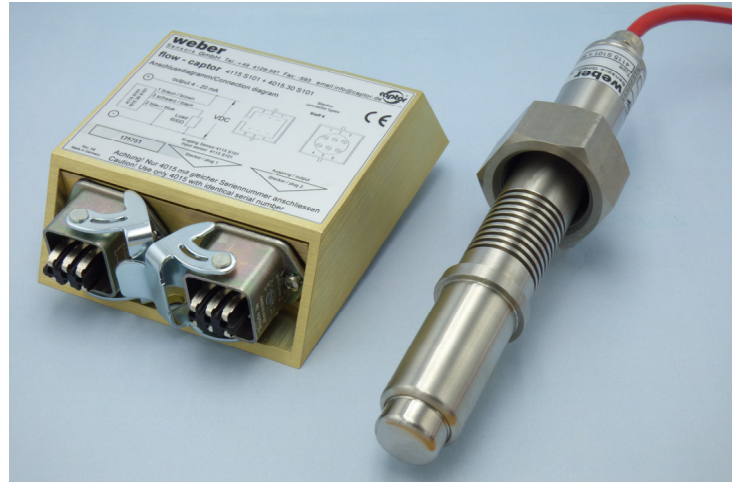


The flow-captor type 4115 S101 + 4015.3x S101; ideal for all measurement and control tasks within automation processes or other industrial applications where liquid media must be controlled. Remote systems are used, for example, where due to a higher medium temperature the electronics must be placed 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) |
| 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 % 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

Connection diagram:

