

# Flow monitor for liquid and pasty media



## flow-captor 4114.03

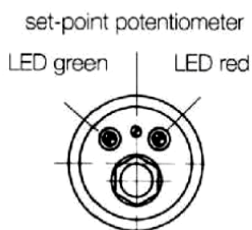
The flow-captor 4114.03 is a universally applicable solid-state flow monitor in cylindrical housing for industrial applications. The construction and design of this flow-captor makes application ideal even in inaccessible places and harsh environmental conditions. The flow-captor operates according to the calorimetric principle without any moving parts. Installation by means of a stainless steel union nut is simple and allows fitting in any pipe assembly. The construction of the sensor provides for non-intrusive flow sensing and does not obstruct the pipe diameter.



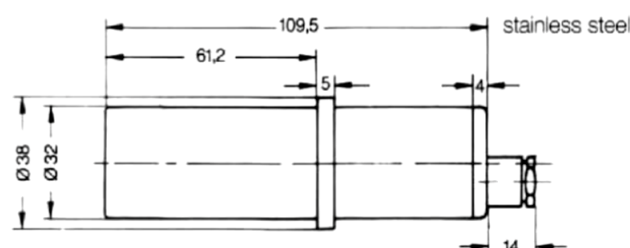
- Precise switching flow monitor for liquid and pasty media.
- Set-point adjustable from 0,2 m/s to 2 m/s relating to medium water
- New calorimetric principle without moving parts
- LED-display for output status
- **ISO 9001 : 2015**

| Technical Data                 |  |
|--------------------------------|--|
| Typ                            | <b>4114.03</b>   |
| Medium                         | Liquid and pasty media (aggressive media on request)                 |
| Sensor Data *1                 |  |
| Measuring range                | 0,2 m/s to 2 m/s, continuously adjustable                            |
| Adjustment characteristics     | Logarithmic to flow speed  |
| 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                             |
| Repeatability                  | < 5%   |
| Temperature drift              | < 0,5% / K   |
| Hysteresis                     | < 15%  |
| Mechanical Data                |  |
| Protection class               | IP65   |
| Material housing / sensor      | stainless steel WN 1.4305 / AISI 303 (other material on request)     |
| Material of sensor probe       | FP (Viton)   |
| Mounting accessories           | Union nut G 1 1/4 A, SW 50 mm (stainless steel WN 1.4305 / AISI 303) |
| Electrical connection          | 2 m moulded oilflex cable 3 x 0,5 mm <sup>2</sup>                    |
| Dimensions                     | L = 109,5 mm; B = 32 mm  |
| Electrical Data                |  |
| Operating voltage              | 24 VDC ±10%  |
| Current consumption            | Max. 200 mA  |
| Initial operation              | approx. 10 s after connection of power                               |
| Electrical output without flow | PNP n.o. (closer)<br>currentless                                     |

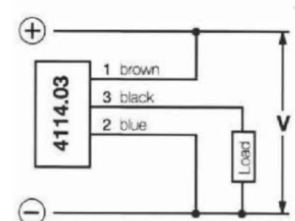
\*1) data relate to water



Dimensions in mm



DC: PNP-transistor output



**weber**