

flow measurement

flow switch CFS 100

features

- calorimetric flow switch
- innovative and compact design
- measurement of different liquids in various industries
- different process connections via adapter system possible
- high accuracy and reproducibility
- very easy to use with the help of 2 buttons and LED bar
- excellent readability and recognition from a distance by colored LEDs

technical specifications

| | |
|---------------------|---|
| power supply | 24V DC with reverse polarity protection, +/- 10% |
| power | 1,5...4VA |
| electronic design | compact device |
| connection head | stainless steel with/without inspection window |
| sensor material | stainless steel 1.4404/316L |
| process connections | compression fitting see accessories or flow adapter |
| electr. connections | M12-connector 4-pin |
| measuring range | 4...400cm/s |
| accuracy | +/- 2...8cm/s |
| hysteresis | +/- 2...8cm/s |
| response time | 1...6s, based on water 25°C |
| outputs | relay or transistor PNP |
| display | 10 x 3-color LEDs |
| operation | 2 x button |
| medium temperature | -10...+80°C (functional area) |
| ambient temperature | -20...+55 °C (housing and electronics) |
| pressure resistance | max. 100 bar (only the device, please observe the process connection) |
| protection class | protection class IP67 |
| weight | 290g |



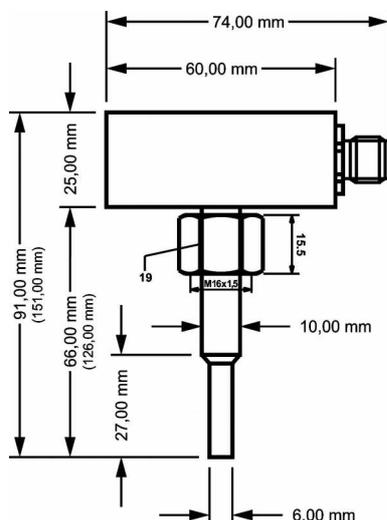
CFS 100-61-C-1-A

application areas

- water and wastewater industry,
- agriculture, biogas plants
- food industry, dairies, breweries, pharmaceutical industry
- industrial applications such as heating circuits, cooling circuits
- power plant technology

product benefits

technical drawing



flow measurement

order-code CFS 100...

order example: CFS 100-61-C-1-A

connection heads

-61 stainless steel head compact design with M12 connector

inspection window

-C with LEDs in the connection head (version -61)

sensor length without process connection

-1 length 65mm
-2 length 125mm

output

-A 1 switching output transistor PNP
-B 1 switching output relay

process adoption

-0 without a process connection (only hasp for clamp connection)
-1/2" with 1/2" clamp connection
-1/4" with 1/4" clamp connection

accessories CFS 100... and CFS 200...

| | |
|--|---------------------------|
| CFS adapter block DN20/G ³ / ₄ " for 1 ... 10 l/min. | (dimensions 150×50×40 mm) |
| CFS adapter block DN15/G ¹ / ₂ " for 0.5 ... 5 l/min. | (dimensions 150×50×30 mm) |
| CFS adapter block DN10/G ³ / ₄ " for 0.2 ... 2 l/min. | (dimensions 150×50×30 mm) |
| CFS adapter block DN4,7/G ¹ / ₄ " for 50 ... 500 ml/min. | (dimensions 70×50×30 mm) |
| CFS adapter block DN2,7/G ¹ / ₄ " for 2 ... 100 ml/min. | (dimensions 70×50×30 mm) |