

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



CFS 100-61-C-1-A

technical specifications

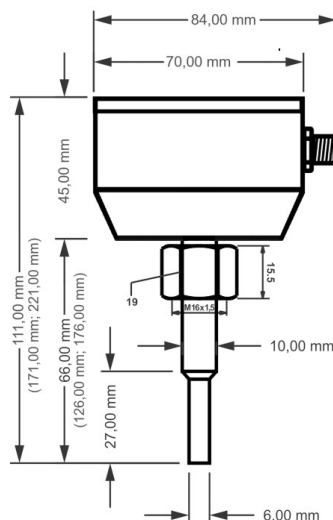
power supply	24V DC with reverse polarity protection, +/- 10%
power	1,5...4VA
electronic design	compact device, or remote version with cable
connection head	stainless steel with inspection window
sensor material	stainless steel 1.4404/316L
process connections	compression fitting see accessories or flow 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



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

technical drawing



order-code CFS 100...

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

connection heads

- 61 stainless steel head compact design with M12 connector
- 6502 remote version with 2 m cable between evaluation and transducer

inspection window

- C with LEDs in the connection head

sensor length without process connection

- 1 length 66mm
- 2 length 126mm
- 3 length 176mm

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
- DN25 with Clamp DN25
- DN50 with Clamp DN50

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

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