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

electronic design

24V DC with reverse polarity protection, +/- 10% power supply power

1,5...4VA compact device

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 +/- 2...8cm/s hysteresis

response time 1...6s, based on water 25°C outputs relay or transistor PNP display 10 x 3-color LEDs operation 2 × button

-10...+80°C (functional area) -20...+55 °C (housing and electronics) medium temperature ambient temperature

max. 100 bar (only the device, please observe pressure resistance

the process connection)

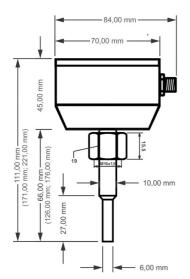
protection class protection class IP67

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





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

sensor length without process connection

- length 66mm length 126mm
- -3 length 176mm

output

- -А -В 1 switching output transistor PNP
- 1 switching output relay

process adoption

- without a process connection (only hasp for clamp connection)
- with ½" clamp connection with ½" clamp connection -1/2"
- -1/4"

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

| CFS adapter block DN20/G¾" for 1 10 l/min. | (dimensions 150×50×40 mm) |
|--|---------------------------|
| CFS adapter block DN15/G½" for 0.5 5 l/min. | (dimensions 150×50×30 mm) |
| CFS adapter block DN10/G1/4" for 0.2 2 I/min. | (dimensions 150×50×30 mm) |
| CFS adapter block DN4,7/G1/4" for 50 500 ml/min. | (dimensions 70×50×30 mm) |
| CFS adapter block DN2,7/G1/4" for 2 100 ml/min. | (dimensions 70×50×30 mm) |