

## flow measurement

### flow switch CFS 200

#### 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, 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                                           |
| output              | 4...20mA and 1 switching output 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                                                                  |

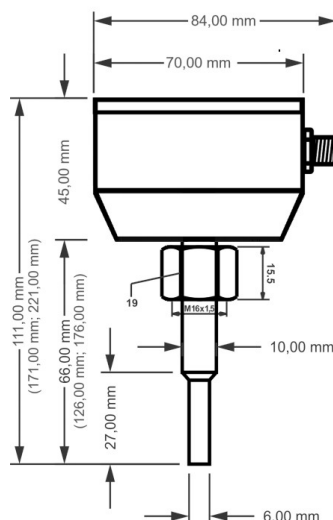
CFS 200-61-C-1-A



#### 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

#### technical drawing



order-code CFS 200...

order-example: CFS 200-61-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 output 4...20mA and switching output PNP

#### 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)  |