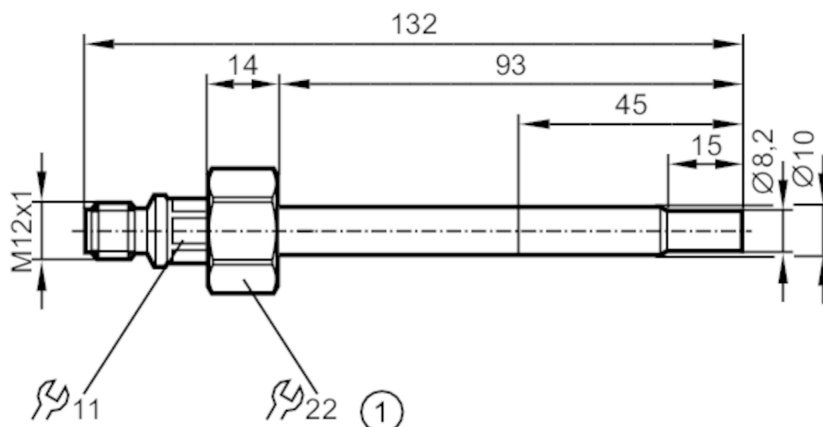


# SF5702



## Flow sensor for connection to an evaluation unit

SFD10ADT /US-100



1 Internal thread M18 x 1;5



### Product characteristics

|                    |      |                           |
|--------------------|------|---------------------------|
| Probe length L     | [mm] | 93                        |
| Process connection |      | M18 x 1,5 Internal thread |

### Application

|                    |       |                                  |
|--------------------|-------|----------------------------------|
| Media              |       | Liquids; Gases; aggressive media |
| Medium temperature | [°C]  | -25...80                         |
| Pressure rating    | [bar] | 100                              |

### Electrical data

|                               |  |        |
|-------------------------------|--|--------|
| Connection to control monitor |  | VS3000 |
|-------------------------------|--|--------|

### Measuring/setting range

|                |      |    |
|----------------|------|----|
| Probe length L | [mm] | 93 |
|----------------|------|----|

#### Liquids

|                      |        |         |
|----------------------|--------|---------|
| Setting range        | [cm/s] | 3...300 |
| Greatest sensitivity | [cm/s] | 3...60  |

#### Gases

|                      |        |            |
|----------------------|--------|------------|
| Setting range        | [cm/s] | 200...3000 |
| Greatest sensitivity | [cm/s] | 200...800  |

### Accuracy / deviations

|                                     |         |     |
|-------------------------------------|---------|-----|
| Max. temperature gradient of medium | [K/min] | 300 |
|-------------------------------------|---------|-----|

### Reaction times

|               |     |        |
|---------------|-----|--------|
| Response time | [s] | 1...10 |
|---------------|-----|--------|

### Operating conditions

|                     |      |          |
|---------------------|------|----------|
| Storage temperature | [°C] | -25...80 |
| Protection          |      | IP 67    |

### Tests / approvals

|                      |                 |                     |
|----------------------|-----------------|---------------------|
| Shock resistance     | DIN IEC 68-2-27 | 50 g (11 ms)        |
| Vibration resistance | DIN IEC 68-2-6  | 10 g (55...2000 Hz) |
| MTTF                 | [years]         | 8393.77             |

# SF5702



## Flow sensor for connection to an evaluation unit

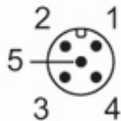
SFD10ADT /US-100

| Mechanical data          |      |                                           |
|--------------------------|------|-------------------------------------------|
| Weight                   | [g]  | 68                                        |
| Housing                  |      | for adapter                               |
| Dimensions               | [mm] | M18 x 1.5                                 |
| Thread designation       |      | M18 x 1.5                                 |
| Material                 |      | titanium (3.7035); EPDM; ULTEM            |
| Materials (wetted parts) |      | titanium (3.7035); O-ring: FKM 80 Shore A |
| Process connection       |      | M18 x 1,5 Internal thread                 |

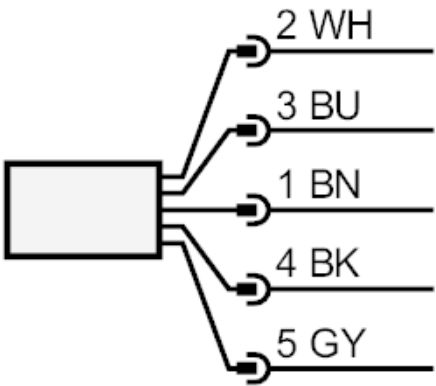
| Remarks       |        |
|---------------|--------|
| Pack quantity | 1 pcs. |

### Electrical connection

Connector: 1 x M12; coding: A; Maximum cable length: 100 m



### Connection



|               |       |
|---------------|-------|
| Core colors : |       |
| BN =          | brown |
| BU =          | blue  |
| BK =          | black |
| WH =          | white |
| GY =          | grey  |