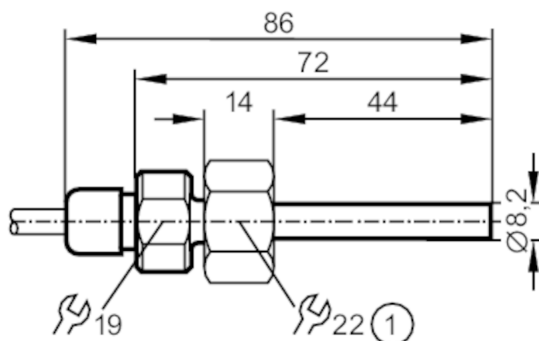


# SF5800



## Flow sensor for connection to an evaluation unit

SFD10ZDT /6M



1 internal thread M18 x 1,5



### Product characteristics

|                    |      |                           |
|--------------------|------|---------------------------|
| Probe length L     | [mm] | 45                        |
| Process connection |      | M18 x 1,5 internal thread |

### Application

|                 |       |                                  |
|-----------------|-------|----------------------------------|
| Application     |       | high-temperature range           |
| Media           |       | Liquids; Gases; aggressive media |
| Pressure rating | [bar] | 100                              |

### Liquids

|                    |      |         |
|--------------------|------|---------|
| Medium temperature | [°C] | 0...120 |
|--------------------|------|---------|

### Gases

|                    |      |         |
|--------------------|------|---------|
| Medium temperature | [°C] | 0...100 |
|--------------------|------|---------|

### Electrical data

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

### Measuring/setting range

|                |      |    |
|----------------|------|----|
| Probe length L | [mm] | 45 |
|----------------|------|----|

### 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

|                      |         |     |
|----------------------|---------|-----|
| Temperature gradient | [K/min] | 300 |
|----------------------|---------|-----|

### Response times

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

### Operating conditions

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

# SF5800



## Flow sensor for connection to an evaluation unit

SFD10ZDT /6M

### Tests / approvals

|                      |                 |                     |
|----------------------|-----------------|---------------------|
| Shock resistance     | DIN IEC 68-2-27 | 40 g (11 ms)        |
| Vibration resistance | DIN IEC 68-2-6  | 10 g (55...2000 Hz) |
| MTTF [years]         |                 | 8096                |

### Mechanical data

|                          |   |
|--------------------------|---|
| Weight [g]               | 449.5                                     |
| Housing                  | for adapter                               |
| Dimensions [mm]          | M18 x 1.5                                 |
| Thread designation       | M18 x 1.5                                 |
| Materials                | titanium (3.7035)                         |
| Materials (wetted parts) | titanium (3.7035); O-ring: FKM 80 Shore A |
| Process connection       | M18 x 1,5 internal thread                 |

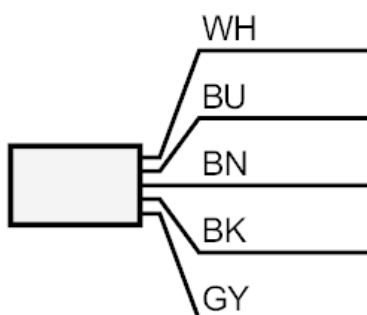
### Remarks

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

### Electrical connection

Cable: 6 m, silicone; Maximum cable length: 100 m; 5 x 0.34 mm<sup>2</sup>

#### Connection



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