

## Type TF 14

modular @temp

Temperature sensor for aseptic applications

### Basic features

- ▶ protective fitting with spherical welding sleeve
- ▶ for closed systems
- ▶ high-grade steel connecting head can be connected with several couplers
- ▶ this version is closed to the process
- ▶ changeable measuring element (without opening the process)
- ▶ changeable connecting head
- ▶ optional: with free programmable integrated measuring transducer 4...20 mA
- ▶ wetting parts made of high-grade-steel no. 1.4571
- ▶ aseptic measuring points
- ▶ FDA, EHEDG-conformal
- ▶ optional: calibration certificate according to DIN ISO 9000 ff (see data sheet calibr.-service)



example: TF14-5-A-1A3

### Technical features

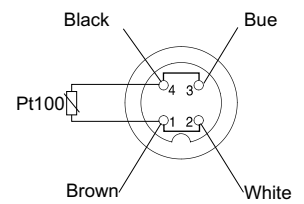
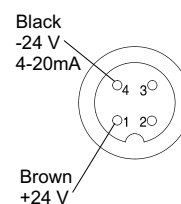
- ▶ 1 or 2 x Pt100, classl. A
- ▶ sensor lengths from 50 mm to 2500 mm
- ▶ standard-functional range -50°C to 400 °C (other ranges on request)
- ▶ alu / high-grade-steel connecting head with bolting or M12-plug
- ▶ protection class: (execution-dependently)
- ▶ operating pressure 20 bar max.

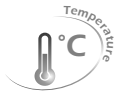
### Favoured fields of application are e.g.:

- ▶ temperature measuring in process engineering
- ▶ temperature measuring in the food industry
- ▶ temperature measuring in positive pressure- and under-inflation containers and pipings

### Pin assignment M12-plug

With measuring transducer MUK      Without measuring transducer MUK





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Order Code

TF 14 -  -  -    -

Connecting head

SBVA (high-grade-steel 1.4571, IP65), small vers., screw connection	<b>5</b>
SBVAST (high-grade-steel 1.4571, IP65, like 5 w.o.screw conn., M12-plug)	<b>6</b>
SBVAG (high-grade-steel 1.4571, IP65), large version,screw connection)	<b>7</b>
SBVASTG (high-grade-steel, 1.4571, IP65, like 7 w.o. scr.conn., M12-plug)	<b>8</b>
SBVAH (high-grade-steel 1.4571, IP65) large version.,high lids for 2 MT	<b>9</b>
SBVASTH (high-grade-steel 1.4571, IP65, like 9 w.o scr.conn, M12-plug)	<b>10</b>

Fitting length (ML = mouting length), (MEL = measuring element length)

50 mm ML (MEL = 126 mm)	<b>A</b>
100 mm ML (MEL = 176 mm)	<b>B</b>
150 mm ML (MEL = 226 mm)	<b>C</b>
200 mm ML (MEL = 276 mm)	<b>D</b>
250 mm ML (MEL = 326 mm)	<b>E</b>
50 mm ML with long adapter (MEL = 176 mm)	<b>F</b>
100 mm ML with long adapter (MEL = 226 mm)	<b>G</b>
150 mm ML with long adapter (MEL = 276 mm)	<b>H</b>
200 mm ML with long adapter (MEL = 326 mm)	<b>L</b>
250 mm ML with long adapter (MEL = 376 mm)	<b>M</b>
30 mm ML with special adapter	<b>X</b>
K - Customers preference (Please specify the length)	<b>K</b>

Type of sensor and tolerance

1xPt100, class A 2-wire	<b>1</b>	<b>A</b>	<b>2</b>
2xPt100, class A 2-wire	<b>2</b>	<b>A</b>	<b>2</b>
<b>1xPt100, class A 3-wire</b>	<b>1</b>	<b>A</b>	<b>3</b>
2xPt100, class A 3-wire	<b>2</b>	<b>A</b>	<b>3</b>
1xPt100, class A 4-wire	<b>1</b>	<b>A</b>	<b>4</b>
other type or customized classification on request			<b>K</b>

Output signal

Additional name for integrated sensor-head transducer	<b>MUK</b>
Specification of the temperature range	

The red marked items are preferred types!