

## 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)

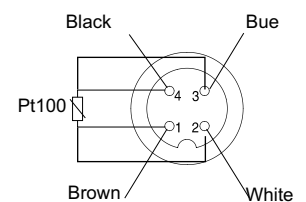
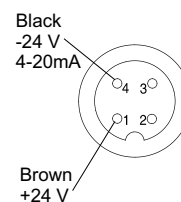


### Technical features

- ▶ 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.
- ▶ standard protective tube Ø 6 mm

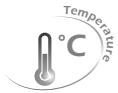
### Pin assignment M12-plug

With measuring transducer MUK Without measuring transducer MUK



### 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



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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>				
SBVAG (high-grade-steel 1.4571, IP65) large vers. with assembly kit 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>			
Customized, Length <250mm, price of the next higher standard length		<b>K</b>			
Customized, Length > 250 mm, Base price of 250 mm, + 10,00 euro per started 100 mm					
Type of sensor and tolerance					
1xPt100, class A 4-wire			<b>1</b>	<b>A</b>	<b>4</b>
2xPt100, class A 3-wire			<b>2</b>	<b>A</b>	<b>3</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!