

Type TF 16

modular @temp

Resistance thermometer for aseptic applications (brewing technology)

Basic features

- ▶ process connection VARIVENT DN 50
- ▶ protective fitting with neck pipe
- ▶ changeable connecting head
- ▶ changeable measuring element (without opening the process)
- ▶ optional: with free programmable integrated measuring transducer 4...20 mA
- ▶ with tapered probe tip Ø 6 mm
- ▶ optional: calibration certificate according to DIN ISO 9000 ff (see data sheet calibr.-service)

Technical features

- ▶ 1 or 2 x Pt100, class A
- ▶ protective fitting Ø 8 x 1 mm, no. 1.4571 (V4A)
- ▶ length of immersion: 35 mm
- ▶ extension neck length: 70 mm
- ▶ alu / high-grade-steel connecting head with bolting or M12-plug
- ▶ standard-functional range -50°C to 400 °C (other ranges on request)
- ▶ protection class: (execution-dependently)
- ▶ operating pressure 10 bar max.

Favoured fields of application are e.g.:

- ▶ temperature measuring in the brewing and food industry
- ▶ temperature measuring in the pharmaceutical industry
- ▶ temperature measuring in positive pressure- and under-inflation containers and pipings



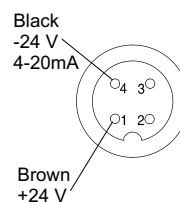
example: TF16-5-1A3

Speciality

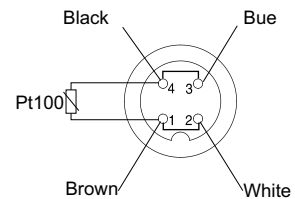
Process-sided protective fitting and process connection Varivent DN 50 are manufactured in one piece (without welding seam), therefore a better aseptic is ensured.

Pin assignment M12-plug

With measuring transducer MUK



Without measuring transducer MUK



Order Code

TF 16 - [] - [] [] [] - []

Connecting head

SB (IP54) with screw -cap	1				
SBKL (IP65) with hinged lid	2				
SBKS (IP54 with hinged lid quick release fastener	3				
SBAKLH (IP65 with high hinged lid (for meas. transducer)	4				
SBVA (high-grade-steel 1.4571, IP65), small vers., screw connection	5				
SBVAST (high-grade-steel 1.4571, IP65, like 5 w.o.screw conn., M12-plug)	6				
SBVAG (high-grade-steel 1.4571, IP65), large version, screw connection)	7				
SBVASTG (high-grade-steel, 1.4571, IP65, like 7 w.o. scr.conn., M12-plug	8				
SBVAH (high-grade-steel 1.4571, IP65) large version, high lids for 2 MT	9				
SBVASTH (high-grade-steel 1.4571, IP65, like 9 w.o.scr.conn, M12-plug)	10				

Type of sensor and tolerance

1xPt100, class A 2-wire		1	A	2	
2xPt100, class A 2-wire		2	A	2	
1xPt100, class A 3-wire		1	A	3	
2xPt100, class A 3-wire		2	A	3	
1xPt100, class A 4-wire		1	A	4	
K - Customers preference (Please specify the length)					K

Output signal

Additional name for integrated sensor-head transducer

MUK

Specification of the temperature range

The red marked items are preferred types!

Stand: 11/2010