

Type TF 15

modular @temp

Temperature sensor for aseptic applications with welding sleeve system and modular process connections

Basic features

- ▶ welding sleeve system with modular process connections
- ▶ thread G1/2" elastomer-free sealing system
- ▶ changeable measuring element (without opening the process)
- ▶ changeable connecting head
- ▶ aseptic measuring points
- ▶ optional: with free programmable integrated measuring transducer
- ▶ wetting parts made of high-grade-steel no. 1.4571
- ▶ FDA, EHEDG-conformal
- ▶ optional: calibration certificate according to DIN ISO 9000 ff (see data sheet calibr.-service)



example: TF15-5-A-1A3

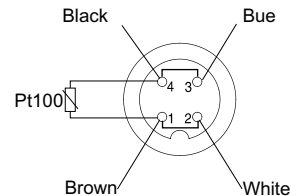
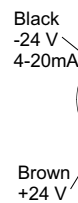
Technical features

- ▶ 1 or 2 x Pt100, class 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
- ▶ torque: 10 - 20 Nm
- ▶ protection class: (execution-dependently)
- ▶ operating pressure 10 bar max.

Pin assignment M12-plug

With measuring transducer MUK

Without measuring transducer MUK



Favoured fields of application are e.g.:

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

Examples clamp boltings



AP 15



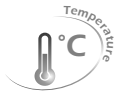
CP 15



HP 15

See data sheet process connections

modular @ process



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Order Code

TF 15 - - - -

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

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

50 mm ML (MEL = 126 mm)	A
100 mm ML (MEL = 176 mm)	B
150 mm ML (MEL = 226 mm)	C
200 mm ML (MEL = 276 mm)	D
250 mm ML (MEL = 326 mm)	E
300 mm ML (MEL = 376 mm)	F
400 mm ML (MEL = 476 mm)	G
K - Customers preference (Please specify the length)	K

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
other type or customized classification on request			K

Output signal

Additional name for integrated sensor-head transducer	MUK
Specification of the temperature range	

The red marked items are preferred types!