

Type TF 45

basic @ temp

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

Basic features

- ▶ welding sleeve system with modular process connections
- ▶ Aseptic measuring point
- ▶ Measuring transducer optional
- ▶ Wetting parts made of high-grade steel material no. 1.4404
- ▶ FDA, EHEDG-conformal

Technical features

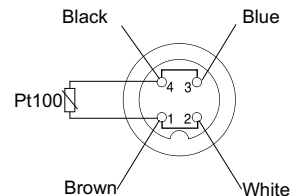
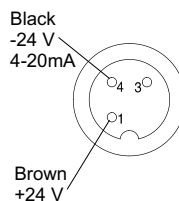
- ▶ 1 or 2xPt100, class A 1/3 DIN or 1/10 DIN
- ▶ Sensor lengths from 50 mm to 2500 mm
- ▶ Functional range up to 200°C
- ▶ Connection by fixed cable or M12-plug
- ▶ Adapter for all common process connections
- ▶ Thread G1/2", elastomer-free sealing system
- ▶ Protection class IP69K

Favoured fields of application are e.g.:

- ▶ Temperature measuring in the food industry in areas of constricted space
- ▶ Temperature measuring in the pharmaceutical industry
- ▶ Cost-saving measuring



With measuring transducer MUK Without measuring transmitter MUK



Order-Code

TF 45 - [] - [] - [] - []

High-grade steel connecting head						
With M12-Plug	1	1				
With fixed cable (X=Length in metres)	1	X				
At least 2 metres						
Fitting length						
50 mm			A			
100 mm			B			
150 mm			C			
200 mm			D			
250 mm			E			
300 mm			F			
400 mm			G			
Customer preference (up to 2500 mm)			K			
tapered probe tip						
tapered probe tip Ø 3 mm			3	V		
tapered probe tip Ø 4 mm			4	V		
Type of sensor and tolerance						
1xPT100 class A				1	A	
1xPT100 1/3 DIN				1	C	
1xPT100 1/10 DIN				1	D	
2xPT100 class A				2	A	
2xPT100 1/3 DIN				2	C	
2xPT100 1/10 DIN				2	D	
Output signal						
Additional name for measuring transducer output 4-20 mA						MU
Specification of the temperature range						

The red marked items are preferred types!

Stand: 09/2009