

Type TF 46

basic @ temp

Temperature sensor for aseptic applications with welding sleeve system M12

Basic features

- ▶ Small welding sleeve system M12
- ▶ 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
- ▶ Functional range up to 200°C
- ▶ Connection by fixed cable or M12-plug
- ▶ Thread M12 elastomer-free sealing system
- ▶ Protection class IP69K
- ▶ Torque 10 - 20 Nm
- ▶ operating pressure 10 bar max. (Higher pressures on request)

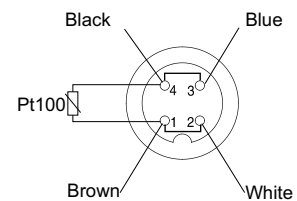
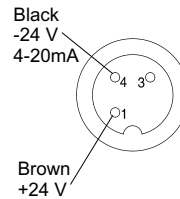
Favoured fields of application are e.g.:

- ▶ Temperature measuring in the food- and pharmaceutical industry in areas of Constricted space
- ▶ Temperature measuring in pipes with a small diameter
- ▶ Cost-saving measuring



e. G. TF46-11-Y3V-1A

With measuring transducer MUK Without measuring transmitter MUK



| Order-Code | | TF 46 - | | | | | | | | | |
|---|--|---------|---|---|---|--|--|---|---|--|----|
| High-grade steel connecting head | | | | | | | | | | | |
| With M12-Plug | | 1 | 1 | | | | | | | | |
| With fixed cable (X =Length in metres, at least 2 m) | | 1 | X | | | | | | | | |
| Fitting length | | | | | | | | | | | |
| 17 mm | | | | X | | | | | | | |
| 20 mm | | | | Y | | | | | | | |
| 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 | | | | | | | | | | | |
| without 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!