

Resistance Thermometer for Screwing In

Form 2G acc. to DIN 43772-2



Description

Form 2G-Resistance thermometers are used as universal thermometers preferably in processes with liquid- and gas media under low pressure.

The standard head is type B according to DIN 43763. On request other types as type BUZ (for build in of head transmitters), type BBK (plastic head) or type BUSH (for build in of intrinsically safe head transmitters) can be used.

The listed thermowells can be used for pressures up to 36 bar, depending on the process conditions. Different materials or overlays are available for mechanical or chemical protection. Beneath the extension tube is a fixed screw G 1/2 A, G 3/4 A or G 1 A for connecting the thermometer to the process. Other connectings are available.

A standard sensor PT 100/2-wire, class B-type according to DIN IEC 751 is build in. On request 3- or 4-wire or double elements with 2- or 3-wire connection can be used.

Features

- Universal thermometer for low pressure
- Interchangeable insert acc. to DIN
- Standard versions ex stock
- Special versions on request

Measuring range

between -200 ... 600 °C

Applications

Air Conditioning
Tank and pipe construction
Chemical Industry
Mechanical Engineering and Machinery

Technical data: RTD's for screwing in

| Series | TE200 | | Options |
|----------------------------|---|----------------------------|--|
| Design | | | |
| Description | Form 2G acc. to DIN 43772-2 | | |
| Process Connection | G ½ A, G ¾ A | G 1 A | |
| Thermowell | | | |
| Diameter | Ø 9 mm Ø 11 mm | Ø 11 mm Ø 14 mm | tapered tip Ø 7.0 mm |
| Stem Length L ₁ | 160 mm 250 mm 400 mm | 160 mm 250 mm 400 mm | other length |
| Material | 1.4571 | | 1.4541 1.7335 |
| Extension Tube | 145 mm | | |
| Connection head | Form B acc. to DIN 43729 waterproof IP 54 acc. to DIN 40050 immersion tube connection M 24 x 1.5 Although available: plain stem 15.5 mm or with screw G ½ A | | Form BUZ Form BUS Form BUZH Form BUSH |
| Sensor element | C211 1x PT 100/2-wire Standard C212 1x PT 100/3-wire C213 1x PT 100/4-wire C214 2x PT 100/2-wire C215 2x PT 100/3-wire acc. to DIN IEC 751, Class B | | Class A |