

Resistance thermometer

for screwing in

with plug connector acc. to DIN 43650
and integrated Transmitter



Description

Resistance thermometers are used as universal thermometers preferably in processes with liquid and gas medias under low pressure.

An electrical connection according to DIN 43 650 will be used for faster interchangeability. An extension tube is built in when the process temperature is higher than 150°C.

The integrated Transmitters deliver a current or voltage signal according to the measuring range.

The listed stems can be used for pressure up to 36 bar, depending on the process conditions. Different materials or coatings are available for mechanical or chemical protection. Beneath the extension tube is a fixed screw G ½A, G ¾ A or G 1A for connecting the thermometer to the process. Other connections are available.

A standard sensor PT 100/2-wire, class B-type is built in according to DIN IEC 751. On request a 3-wire connection can also be used.

Features

- Integrated Transmitter
- Standard versions in stock
- Special versions on request
- Interchangeable insert
- Electrical connection acc. to DIN 43650

Temperature range

-200. . .+600°C

Applications

Air conditioning
tank and pipe construction
Chemical Industry
Apparatus, heating and furnace engineering

Technical Data

Types	8012	8022	Options
Symbol			<p>Connection diagramm</p>
Description	fixed thread G ½ A, similar Form 2G acc. to DIN 42772-1		
Thread connection	G ½ A, G ¾ A, G 1 A		
Stem Diameter	Ø 3 mm Ø 6 mm Ø 8 mm		other diameters
Stem length L1	25 mm 100 mm 250 mm		other lengths
Materials	1.4571		1.4541
Extension		50 mm (measurd value > 150 °C)	on request
integrated Transmitter	output: 4- 20 mA linearity distortion: typical < 0,1 % loop voltage: 12 to 30 V DC min. measuring range: 30 Kelvin		
Connection	cable junction box acc. to DIN 43650 waterproof acc. to IP 65 acc. to DIN40 050		
Sensor	1 x PT 100/2-wire Standard 1 x PT 100/3-wire 2 x PT 100/2-wire acc. to DIN IEC 751, class B		Class A

Modifications reserved!