

**JUMO STEAMtemp****Push-in resistance thermometers  
in steam-tight version**

- for temperatures from -50 to +150°C
- as single, twin or triple resistance thermometer
- in 2-wire, 3-wire or 4-wire circuit
- Teflon connecting cable

Push-in resistance thermometers are preferably used for temperature measurement in sterilizers. Thanks to their special construction, they are highly suitable for application in pressurized atmospheres containing steam. Other applications include plant engineering and laboratories.

The connecting cable is suitable for use in humid areas within the temperature range -190 to +260°C. The cable connection incorporates strain relief.

The measuring insert is normally fitted with a Pt100 temperature sensor to EN 60 751, Class A in 2-wire circuit. Versions with 2 or 3 measuring circuits are also available. 3- and 4-wire circuit connections can be provided.

**Technical data****Connection**

cable ends available as: bare wires, with ferrules, receptacles or multipole connector.

**Connecting cable**

Teflon, ambient temperature -190 to +260°C  
connecting cable available with shielding (option)

**Protection tube**

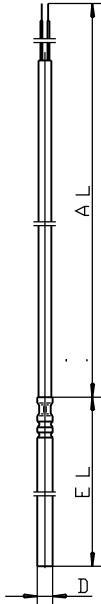
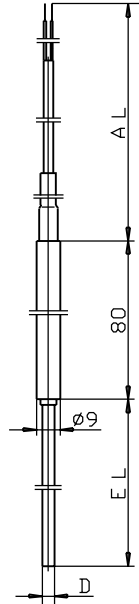
stainless steel 1.4571, 4.5mm, 5mm, and 6mm dia.

**Measuring insert**

Pt100 temperature sensor, EN 60 751, Cl. A, 2-wire circuit

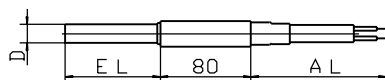
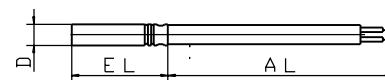
**Protection**

IP67

**Dimensions****Type 902830/10****Type 902830/20**

## Order details: Push-in resistance thermometers in steam-tight version

(1) Basic version	
902830/10	Push-in resistance thermometer, steam-tight
902830/20	Push-in resistance thermometer, steam-tight, pressure-tight up to 3.5bar
<b>(2) Operating temperature in °C</b>	
x x	370 -50 to +150°C in conjunction with Teflon cable
x x	371 -50 to +150°C in conjunction with silicone cable
<b>(3) Measuring insert</b>	
x x	1001 1 x Pt100 in 3-wire circuit
x x	1003 1 x Pt100 in 2-wire circuit
x x	1011 1 x Pt100 in 4-wire circuit
x x	2001 2 x Pt100 in 3-wire circuit
x x	2003 2 x Pt100 in 2-wire circuit
x x	2011 2 x Pt100 in 4-wire circuit
x x	3028 3 x Pt 100 1 x 2-wire circuit, 2 x 3-wire circuit
<b>(4) Tolerance class to EN 60 751</b>	
x x	2 Class A
<b>(5) Protection tube diameter D in mm</b>	
x	4.5 4.5mm
x	5 5mm
x	6 6mm
<b>(6) Fitting length EL in mm</b>	
x	50 50mm
x x	100 100mm
x x	150 150mm
x x	200 200mm
<b>(7) Connecting cable end</b>	
x x	03 bare cable ends
x x	11 ferrules to DIN 46 228 Part 4 (standard)
x x	13 receptacle 6.3 to DIN 46 247
x x	80 multipole connector (please specify type in plain text)
<b>(8) Connecting cable length AL in mm (500≤AL≤500000)</b>	
x x	2500 2500mm (standard)
x x	... please specify in plain text (500mm steps)
<b>(9) Extra codes</b>	
x x	000 no extra code
x x	312 curved protection tube R 13mm (please specify dimensions in plain text)
x x	317 shielded connecting cable



**Order code**      (1) - (2) - (3) - (4) - (5) - (6) - (7) - (8) / (9) ,...

**Order example**      902830/10 - 370 - 1011 - 2 - 6 - 100 - 11 - 2500 / 000<sup>1</sup>

1. List extra codes in sequence, separated by commas.

### Stock versions:

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	Sales No.
902830/10	- 370	- 1011	- 2	- 6	- 100	- 11	- 2500	/ 317	90/00306448
902830/10	- 370	- 2001	- 2	- 6	- 100	- 11	- 2500	/ 000	90/00306449