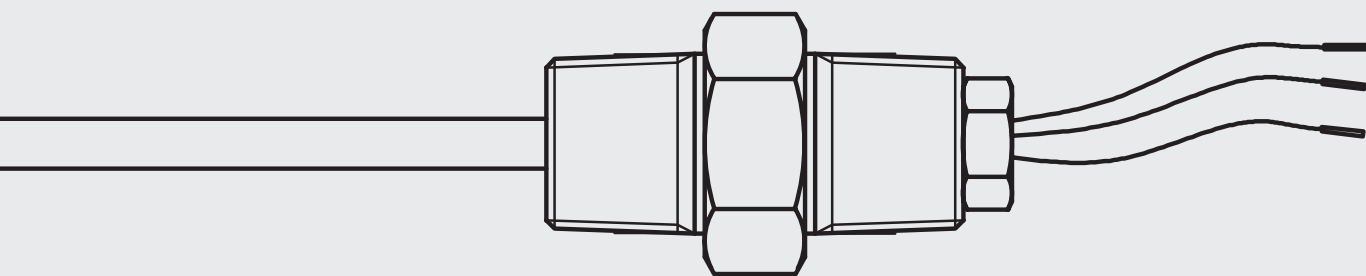


Spring loaded resistance thermometer

FOR USE WITH TRANSMITTER HOUSING AND THERMOWELLS

PHA
CONFIGURATIONS

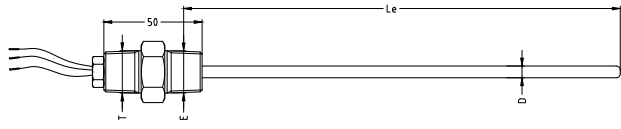
General use RTD



RODAX[®]
new temperature solutions

Product series PT100WT

Table 1: Measuring inserts main model

	Terminal	Total spring	
PHA	Spring loaded hexagonal nipple with flying leads of 150mm	15 mm We recommend a spring loading of +/-5 mm	

Features assembly

High quality resistance temperature element with MgO mineral insulated metal sheathed cable, providing excellent stability and reproducibility.

The unique properties make this basic element ideally suited for a wide range of applications up to 550 °C.

The PT100 is bendable over the total length except on the tip over 50 mm.
High vibration resistant models are available.

Table 2: Measuring inserts details

Details

- Maximum temperature: 550 °C
- Minimum insulation resistance: 1000 MOhm at 500VDC, T_{amb}=20 °C
- Conductors: material Cu
- Metal sheath: SS321 / 1.4541

PT100 element

S	D	Option	HV
Single	Double		High vibration

Diameter ØD

D3	D3,2	D4,5	D4,8	D6	D6,35	D8	D9,53	D12,7	Other diameters on request
3,0 mm	3,2 mm	4,5 mm	4,8 mm	6,0 mm	6,35 mm	8,0 mm	9,53 mm	12,7 mm	

Electrical connection

W2	W3	W4 (*)	(*) for OD 3 mm: dual sensors max 2x3 wire
2 wire	3 wire	4 wire	

Accuracy

A1	A3	A5	A6	A10	Other accuracies on request
Class A IEC EN 60751 $\pm(0.15+0.002 t)^{\circ}\text{C}$	1/3 DIN 1/3 class B	1/5 DIN 1/5 class B	1/6 DIN 1/6 class B	1/10 DIN 1/10 class B	

Transmitter housing connection T

T173	T405	Others on request
M20 x 1,5	1/2"NPT	

Extension connection E

E405	Others on request
1/2"NPT	

Table 3: Certification possibilities

Certificates

Following tests and certificates are possible and are either done in-house or done by an external party.

Code	Certificates
Q04210	Functional test report sensor
Q04230	Calibration report (measuring points to be indicated) E.g. 0/100 °C
Q05220	Calibration report by accredited calibration lab retraceable (measuring points to be indicated)
Q05230	Calibration report by accredited calibration lab ISO/IEC 17025 (BELAC) (measuring points to be indicated)
Q02040	Test report EN10204-2.2

HOW TO ORDER (example)

Code		Example	Your code
Main model	See table 1	PHA	
Pt100 element	See table 2	S	
Diameter ØD	See table 2	D6	
Electrical connection	See table 2	W3	
Accuracy	See table 2	A1	
Transmitter housing connection T	See table 2	T405	
Extension connection E	See table 2	E405	
Insertion length Le	In mm	Le150	

Ordering code example:

PHA S D6 W3 A1 T405 E405 Le150

For all options: please contact Rodax

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