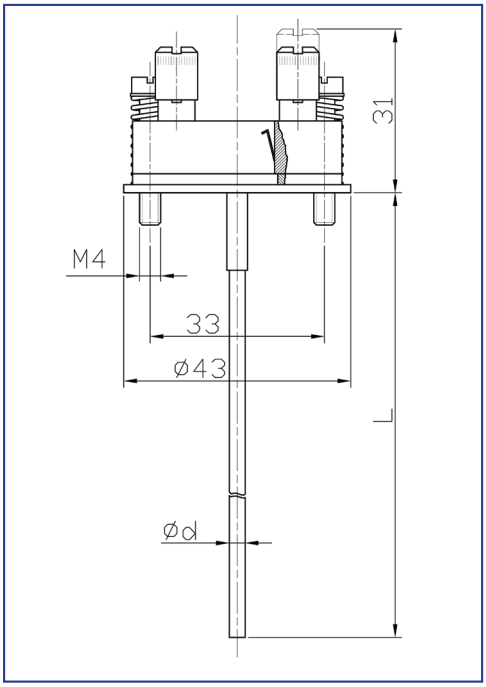
WP-TE-02



Thermocouple Insert

T/C Sensor Insert is to be used as a replaceable part of thermocouple assembly with design suitable to such an action. In this way you may perform very quick replacement of faulty sensor. Connection wires constitutes a thermocouple beginning from junction to terminal board.

Sheathed insert type WP-TE-02-PS, is made of sheathed, mineral insulated thermocouple wires. Metallic oxide (MgO) insulation is compacted into the sheath to mechanically support and electrically insulate the thermocouple wire.

Insert can be equipped with terminal block or transmitter.

Model	Execution
PS	standard version
PS/Exi	intrinsic version

Technical specification

Sheathed sensor insert	Version	Temp. range - Class 1	Characteristic
1xFe-CuNi (J), 2xFe-CuNi (J) 1xNiCr-NiAl (K), 2xNiCr-NiAl (K)	ø 3	-40°C..+500°C -40°C..+700°C	acc. EN 60584-1
1xFe-CuNi (J), 2xFe-CuNi (J) 1xNiCr-NiAl (K), 2xNiCr-NiAl (K)	ø 6	-40°C..+600°C -40°C..+800 (+1000*)°C	

* upper temperature depends on measuring conditions and temperature changes

Sheath diam. d	Material acc. DIN/AISI	Length L	Conn. head mount in	Transmitter
ø 1.5, ø 3, ø 4.5, ø 5, ø 6, ø 8	Inconel 600 / 2.4816	on request	on request (e.g. NA, DAN, DANAW, MA)	on request
	1.4541 / 321			
	1.4841 / 310 / 314			

Non-standard models available.

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Ordering Information

WP-TE -02	A	B	C	D	E	F	G	H	I

A Execution	
PS	Sheathed spring loaded insert
PS/Exi	Intrinsic version

B Type of thermocouple	
1xJ	Single Fe-CuNi
2xJ	Double Fe-CuNi
1xK	Single NiCr-NiAl
2xK	Double NiCr-NiAl

C Sleeve and sheath diameter	
1,5	d= 1,5 mm
3	d= 3 mm
4,5	d= 4,5 mm
5	d= 5 mm
6	d= 6 mm
8	d= 8 mm

D Sheath material	
Inconel 600	Inconel 600 / 2.4816
1.4541	1.4541 / 321
1.4841	1.4841 / 310 / 314

E Measuring insert length L	
	specify in [mm]

F Junction	
O	Ungrounded
Z	Grounded

G Type of head the insert is to be mounted	
	specify head type

H Operating temperature	
	specify in °C

I Transmitter	
	specify type and temp. range in °C

Ordering Example

WP-TE-02-PS-1xK-3-Inconel600-150-Z-NA-700

stands for: Sheathed insert with spring, with thermoelement 1xNICr-NiAl, sheath diameter ø3 mm, sheath material Inconel 600, length 150mm, grounded, connection head type NA, operating temp. up to 700°C, w/o transmitter.

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