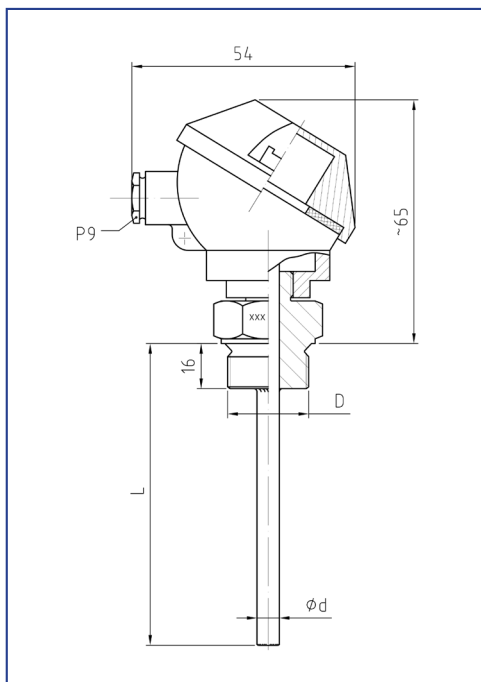


TOP-PKGm-27

Resistance Thermometer Pt100 Miniature Straight with process connection fitting

Straight miniature resistance thermometer with screwed fitting type TOP-PKGm-27 has been designed for temperature measurements of gaseous and liquid process fluids in vessels and pipes. Temperature limits: -50°C to +300°C.

Protection tube is made of 1.4571 stainless steel, which allows corrosive fluid application.



Type	Execution
TOP-PKGm-27	Basic - acc to catalog card
TOP-PKGm-27/Exi	Intrinsic – acc to Atex

Technical specification

RTD type	Version	Characteristic	Measuring range (standard/*shockproof)	Accuracy class	Max. sensor current	Lead wire config.
1xPt100 / 2xPt100	standard / *shockproof	acc. EN-60751	-200°C..+600°C / *(-70°C..+500°C)	B	8 mA	2, 3, 4 wire
			-100°C..+450°C / *(-50°C..+300°C)	A	5 mA	3, 4 wire
			-50°C..+250°C / *(0°C..+150°C)	1/3B (AA)	3 mA	

Protect. tube diam. d	Material acc. DIN/AISI	Length L [mm]	Process connection thread D
ø4, ø5, ø6, ø8, ø9, ø10, ø12	1.4571/316Ti	on request	on request (e.g. M12x1,5, M18x1,5, G1/2", 1/2"NPT)

Connection head	Max operating temp.	Transmitter
MA	+100°C	on request

Non-standard models available.

Ordering Information

TOP-PKGm-27	A	B	C	D	E	F	G	H	I	J	K	L
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A Execution	
-	Basic
/Exi	Intrinsic safe

B Resistor	
1xPt100	Single Pt100
2xPt100	Double Pt100

C Class	
B	B
A	A
1/3B	1/3B (AA)

D Lead wire configuration	
2p	2-wire
3p	3-wire
4p	4-wire

E Protection tube diam. d	
4	d= 4 mm
5	d= 5 mm
6	d= 6 mm
8	d= 8 mm
9	d= 9 mm
10	d= 10 mm
12	d= 12 mm

F Protection tube length L	
	specify in [mm]

G Protection tube material	
1.4571	1.4571 / 316Ti
	specify other material

H Process connection thread D	
	specify type of thread

I Connection head	
MA	MA

J Operating temperature	
	specify in °C

K Transmitter	
	specify type and temp. range in °C

L Version	
Z	Standard (ceramic wire wound element)
W	Shockproof (thin-film element)

Ordering Example

TOP-PKGm-27/Exi-1xPt100-A-3p-8-300-1.4571-M20x1,5-MA-Z

stands for: Resistance thermometer miniature straight with screwed fitting, intrinsic safe, with resistor 1xPt100 class A, configuration 3-wire, sensor protection tube diameter ø8 mm, immersion length 300 mm, material 1.4571, thread M20x1,5, connection head type MA, standard sensor version (ceramic wire wound element).