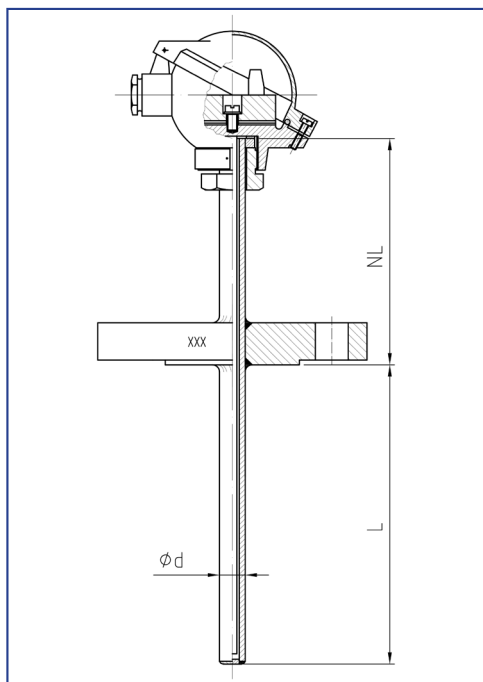


TOP-PF-06

Resistance Thermometer Pt100 with flange



Straight Resistance Thermometer type TOP-PF-06 with fitting has been designed for gas and liquid temperature measurement in pipes and vessels where flange connection is required. Process wetted parts and thermometer may be applied for corrosive process fluids. Temperature limits -200°C to +600°C.

Type	Execution
TOP-PF-06	Basic - acc to catalog card
TOP-PF-06/ExiM1	Intrinsic safe for mining purposes – acc to Atex
TOP-PF-06/Exi	Intrinsic safe – acc to Atex
TOP-PF-06/Exe	Increased safety – 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	

Diameter d	Material acc. DIN/AISI	Length L	Connection head	Transmitter
ø 6, ø 10, ø 12	1.4404 / 316L	on request	on request (e.g. NA, DAN, DANAW, MA)	on request
ø 4, ø 6, ø 8, ø 9, ø 10, ø 11, ø 12, ø 15	1.4571 / 316Ti			
ø 10, ø 11, ø 15	1.7335 / A182 Grade F11			
ø 12 , ø 13,7	2.4602 / Hastelloy C22			
Flange				
on request (e.g. DN25 PN40 B1 acc. EN 1092-1, 2"150 RF acc. ASME B16.5)				

Non-standard models available.

Ordering Information

TOP-PF-06	A	B	C	D	E	F	G	H	I	J	K	L	M
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A Execution	
U	with non-replaceable insert
PS	with replaceable insert
PS/ExiM1	Intrinsic safe for mining purposes with replaceable insert
PS/Exi	Intrinsic safe with replaceable insert
PS/Exe	Increased safety with replaceable insert

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 diameter	
4	d= 4 mm
6	d= 6 mm
8	d= 8 mm
9	d= 9 mm
10	d= 10 mm
11	d= 11 mm
12	d= 12 mm
13,7	d= 13,7 mm
15	d= 15 mm

F Length L	
	specify in [mm]

G Protection tube material	
1.4571	1.4571 / 316Ti
1.7335	1.7335 / A182 Grade F11
2.4602	2.4602 / Hastelloy C22

H Flange	
	specify type of flange

I Neck tube length NL	
	specify in [mm]

J Connection head	
	specify head type

K Operating temperature	
	specify in °C

L Transmitter	
	specify type and temp. range in °C

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

Ordering Example

TOP-PF-06-PS-1xPt100-B-2p-10-250-1.4571-2"150 RF-145-NA-400-Z

stands for: Resistance thermometer with replaceable insert, with single class B resistor, 2-wire lead configuration, protection tube diam. 10 mm, length 250 mm, material 1.4571, process connection flanged 2" 150 RF, neck tube length NL=145 mm, connection head type NA, operating temp. up to 400°C, standard sensor version (ceramic wire wound element).