



RESISTANCE THERMOMETER Pt100 with process connection fitting Type TOP-PKG-05

Straight Resistance Thermometer type TOP-PKG-05 with process connection fitting and extension tube is aimed for low flow rate gas and liquid service in pipes and pressurised vessels in range from -200°C to +600°C. Protection tube is made of alloy steel and thermometer may applied for corrosive process fluids.

Model	Execution	Insert type	Length L
U	with non-replaceable insert	non-replaceable	as per client request
PS	with replaceable insert	WP-OP-01/PS	
PS/Exi	Intrinsic safe with replaceable insert		

THERMOMETER SPECIFICATION

Temperature Resistor	Version	Characteristic	Measuring range	Accuracy class	Maximum sensor current	Lead wire configuration
1xPt100 2xPt100	standard shockproof	acc. PN-EN-60751	from -200°C to +600°C	B	8 mA	2 wire
			-50°C..+150°C	1/3 B DIN	2 mA	3, 4 wire

Protection tube

Diameter d	Material acc. WNr / DIN	Material acc. ASTM / AISI
Ø4, Ø6, Ø8, Ø9, Ø10, Ø11, Ø12, Ø15	1.4571	316 Ti
Ø10, Ø11, Ø15	1.7335	A182 Grade F11
Ø13,7	Hastelloy C22	A576 Grade 1020

Process connection fitting D
M20x1,5
M27x2
G 1/2"
G 3/4"
G 1"
on request

Connection head

Type	Max ambient temp.	Material
B	+100°C	Al
NA (with silicone seal)	+150°C	Al

Transmitter
on request

NOTE: Non-standard models available

Ordering Information

TOP-PKG-05 - A - B - C - D - E - F - G - H - I - K - L - M

A. Execution		A
	with non-replaceable insert	U
	with replaceable insert	PS
	Intrinsic safe with replaceable insert	PS/Exi
B. Resistor		B
	Single	1xPt100
	Double	2xPt100
C. Class		C
	B	B
	A	A
	1/3 B DIN	1/3 B DIN
D. Lead wire configuration		D
	2 - wire	2p
	3 - wire	3p
	4 - wire	4p
E. Protection tube diameter d		E
	Ø 4 mm	4
	Ø 6 mm	6
	Ø 8 mm	8
	Ø 9 mm	9
	Ø 10 mm	10
	Ø 11 mm	11
	Ø 12 mm	12
	Ø 13,7 mm	13,7
	Ø 15 mm	15
F. Protection tube length L		F
	L	specify in mm
G. Protection tube material		G
	1.4571	1.4571
	1.7335	1.7335
	Hastelloy C22	C22
H. Process connection fitting		H
	M20x1,5	M20x1,5
	M27x2	M27x2
	G 1/2	G 1/2
	G 3/4	G 3/4
	G 1	G 1
I. Connection head		I
	NA (up to +100°C)	N1
	NA (up to +150°C)	N2
	B	B
K. Operating temperature		K
	T	specify in °C
L. Temperature transmitter		L
		specify type and range in °C
M. Sensor version		M
	standard	Z
	shockproof	W

Ordering Example

TOP-PKG-05-U-1xPt100-B-2p-10-250-1.7335-M20x1,5-N1-400-Z

stands for: **RTD with non-replaceable insert, with single class B resistor, 2-wire lead configuration, protection tube diameter 10 mm, length 250 mm, material 1.7335, process connection M20x1,5, connection head type NA for ambient temperature up to 100°C, operating temperature up to 400°C, standard sensor version.**