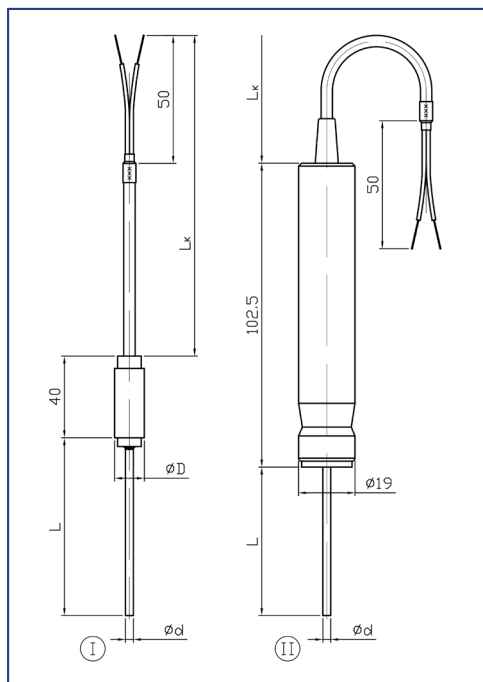


TOP-SpPKbm-34

Resistance Thermometer Pt100 Miniature with connection cable special-sheathed



Resistance thermometer miniature type TOP-SpPKbm-33 with connection cable of silicone or teflon insulation has been designed for temperature measurements up to +260°C.

Protection tube is made of sheathed Cu tube and is designed for vibrations and thermal shock environments. Allows fast and precise measurement.

Type	Execution	Version
TOP-SpPKbm-34	Basic - acc to catalog card	I or II
TOP-SpPKbm-34/Exi	Intrinsic – acc to Atex	II

Technical specification

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

Diameter d [mm]	Diameter D [mm] (Model I)	Material acc. DIN/AISI	Length L [mm]
03, 03,2, 04,5, 05, 06	06, 08	1.4571/316Ti	on request

Configuration	Dimension	Connection Cable Type	Insulation	Temp. limits
3, 4 wire	0 4,3	L4TS-4x0,22mm2	teflon, silicone	+180°C
3, 4 wire	0 5,2	L4TS(L)-4x0,25mm2	teflon, silicone	+180°C
3, 4 wire	0 4,4	L4TDS-4x0,25mm2	teflon, screen, silicone	+180°C
3, 4 wire	0 4,0	L4TFDT-4x0,22mm2	teflon, film, screen, teflon	+260°C

Non-standard models available.

Ordering Information

TOP-SpPKbm-34	A	B	C	D	E	F	G	H	I	J	K
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A Execution	
I	Basic
II	With teflon handle
I/Exi	Intrinsic - Basic
II/Exi	Intrinsic - With teflon handle

B Resistor	
1xPt100	Single Pt100
2xPt100	Double Pt100

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

D Sheath diameter d	
3	d= 3 mm
3,2	d= 3,2 mm
4,5	d= 4,5 mm
5	d= 5 mm
6	d= 6 mm

E Sleeve diameter D (only Model I)	
6	D= 6 mm
8	D= 8 mm

F Immersion length L	
	specify in mm

G Protection tube material	
1.4571	1.4571 / 316Ti

H Lead wire configuration and cable type	
3p-L4TS	3 wire (L4TS-4x0,22mm2)
4p-L4TS	4 wire (L4TS-4x0,22mm2)
3p-L4TS(L)	3 wire (L4TS-4x0,25mm2)
4p-L4TS(L)	4 wire (L4TS-4x0,25mm2)
3p-L4TDS	3 wire (L4TDS-4x0,25mm2)
4p-L4TDS	4 wire (L4TDS-4x0,25mm2)
3p-L4TFDT	3 wire (L4TFDT-4x0,22mm2)
4p-L4TFDT	4 wire (L4TFDT-4x0,22mm2)

I Cable length L_K	
	specify in mm

J Operating temperature	
	specify in °C

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

Ordering Example

TOP-SpPKbm-34-I-1xPt100-A-3,2-6-250-1.4571-3p-L4TT-2000-160-Z

stands for: Resistance thermometer, basic execution, with resistor 1xPt100 class A, sheath diameter d=3,2 mm, sleeve diameter D=6 mm, immersion length L=250mm, material 1.4571, configuration 3-wire, cable type L4TT, length L_K=2000 mm, operating temp. up to 160°C, standard sensor version (ceramic wire wound element).