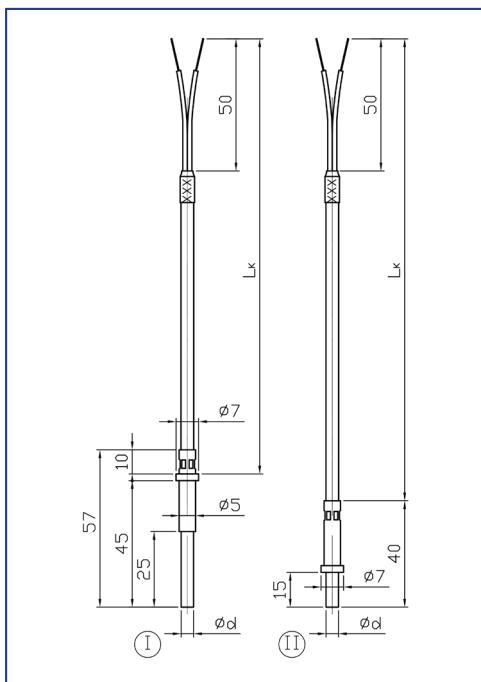


TOP-PKbm-36

Resistance Thermometer Pt100 Miniature

Resistance thermometer type TOP-PKbm-36 has been designed for temperature measurements up to +400°C. Miniature execution allows fast and precise measurement in various environments and places. Miniature dimensions allows easy and fast installation of thermometer even in cases of limited access space.



Model	Execution
I	with immersion length L=45 mm
II	with immersion length L=15 mm

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	-50°C..+400°C / *(-50°C..+400°C)	B	8 mA	2, 3, 4 wire
			-50°C..+400°C / *(-50°C..+300°C)	A	5 mA	3, 4 wire
			-50°C..+250°C / *(0°C..+150°C)	1/3B (AA)	3 mA	

Protection tube diameter d [mm]	Material acc. DIN/AISI
ø2, ø3, ø3.5	1.4571/316Ti

Configuration	Dimension	Connection Cable Type	Insulation	Temp. limits
2 wire	ø 2,9	L2GGD-2x0,22mm2	glass fibre, glass fibre, screen	+400°C
3, 4 wire	ø 3,1	L4GGD-4x0,22mm2	glass fibre, glass fibre, screen	+400°C
3, 4 wire	ø 2,9	L4TT-4x0,22mm2	teflon, teflon	+260°C

Non-standard models available.

www.alf-sensor.com

Ordering Information

TOP-PKbm-36	A	B	C	D	E	F	G	H	I
-------------	----------	----------	----------	----------	----------	----------	----------	----------	----------

A Execution	
I	with immersion length L=45 mm
II	with immersion length L=15 mm

B Resistor	
1xPt100	Single Pt100
2xPt100	Double Pt100

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

D Protection tube diameter d	
2	d= 2 mm
3	d= 3 mm
3,5	d= 3,5 mm

E Protection tube material	
1.4571	1.4571 / 316Ti

F Lead wire configuration and cable type	
2p-L2GGD	2 wire (L2GGD-2x0,22mm2)
3p-L4GGD	3 wire (L4GGD-4x0,22mm2)
4p-L4GGD	4 wire (L4GGD-4x0,22mm2)
3p-L4TT	3 wire (L4TT-4x0,22mm2)
4p-L4TT	4 wire (L4TT-4x0,22mm2)

G Cable length L_k	
	specify in mm

H Operating temperature	
	specify in °C

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

Ordering Example

TOP-PKbm-36-I-1xPt100-A-3-1.4571-3p-L4GGD-3000-160-Z

stands for: Resistance thermometer, model I with immersion length L=45 mm, with resistor 1xPt100 class A, protection tube diameter 3 mm, material 1.4571, configuration 3-wire, cable type L4GGD length L_k=3000mm, operating temp. up to 160°C, standard sensor version (ceramic wire wound element).

www.alf-sensor.com