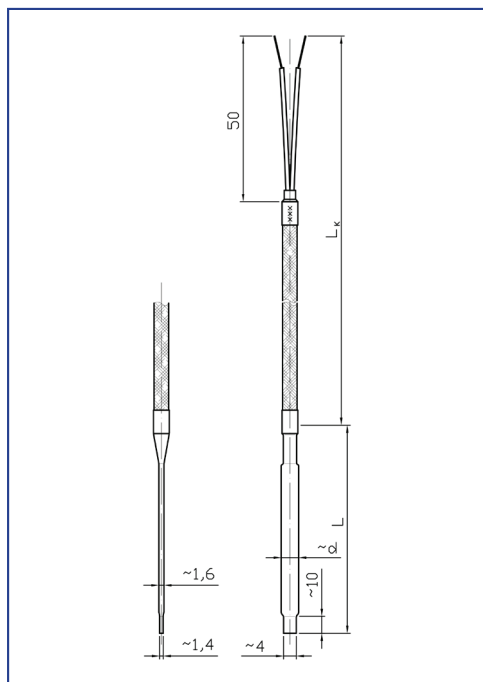


TOP-SPłKbm-48

Resistance Thermometer Pt100 Flat



Flat resistance thermometer with resistor Pt100 type TOP-SpłKbm-48 has been designed for temperature measurement of electric motor windings, where only small chinks are available and for material stored in layers (e.g. paper).

Sensor is fixed on laminated box and sheathed by shrink cable.

Technical specification

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

Laminated box width d [mm]	Laminated box length L [mm]	Measuring length
10 mm	on request	10 mm
12 mm		

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.

Ordering Information

TOP-SPiKbm-48	A	B	C	D	E	F	G	H	I
---------------	----------	----------	----------	----------	----------	----------	----------	----------	----------

A Resistor	
1xPt100	Single Pt100

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

C Box thickness	
1,6	thickness =1,6 mm

D Box wideness d	
10	d = 10 mm
12	d = 12 mm

E Box length L	
	specify in mm

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-SPiKbm-48-1xPt100-A-1,6-10-20-3p-L4GGD-2000-50-Z

stands for: Flat resistor 1xPt100 class A, laminated box: thickness 1,6 mm, wideness d=10 mm, length L=20mm, configuration 3-wire, connection cable type L4GGD length L_k=2000 mm, operating temp. up to 50°C, standard sensor version (ceramic wire wound element).