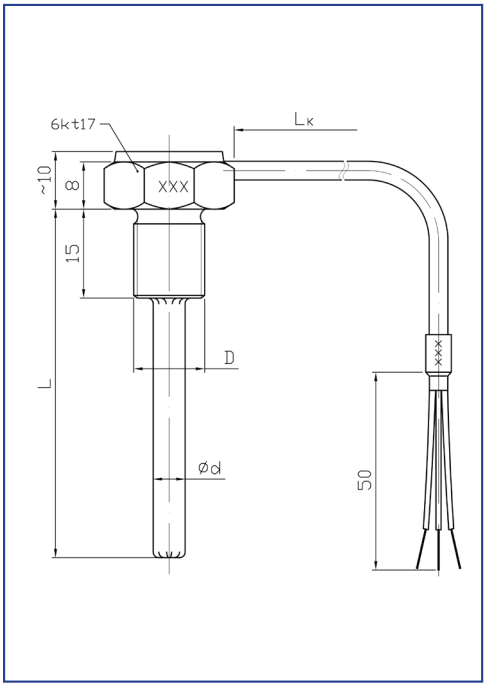
TOP-KKbm-15



Resistance Thermometer Pt100
Angular, Miniature

Angular resistance thermometer TOP-KKbm-15 miniature, has been designed for temperature measurement in machinery, machine sets and sub-assemblies up to +250°C.

Small dimensions allows fast and precise measurement Additional process connection fitting allows fast and easy assembling. Connection cable long as required is made for connecting thermometer to outer instruments.

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	

Protect. tube diam. d	Material acc. DIN/AISI	Length L [mm]	Process connection thread D
ø3, ø4, ø5 , ø6	1.4571/316Ti	on request	on request (e.g. M10x1, M12x1, G1/2")

Configuration	Dimension	Connection Cable Type	Insulation	Temp. limits
2 wire	ø2,9	L2GGD-2x0,22mm2	glass fibre, glass fibre, screen	+400°C
3, 4 wire	ø3,1	L4GGD-4x0,22mm2	glass fibre, glass fibre, screen	+400°C
3, 4 wire	ø2,9	L4TT-4x0,22mm2	teflon, teflon	+260°C
3, 4 wire	ø4	L4TFDT-4x0,22mm2	teflon, film, screen, teflon	+260°C

Non-standard models available.

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Ordering Information

TOP-KKbm-15	A	B	C	D	E	F	G	H	I	J

A	Resistor
1xPt100	Single Pt100
2xPt100	Double Pt100

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

C	Protection tube diameter
3	d= 3 mm
4	d= 4 mm
5	d= 5 mm
6	d= 6 mm

D	Process connection thread D
	specify type of thread

E	Protection tube length L
	specify in mm

F	Protection tube material
1.4571	1.4571 / 316Ti

G	Lead wire configuration and cable type
2p-L2GGD	2 wire (L2GGD-2x0,22mm2)
3p-L4GGD	3 wire (L4GGD-2x0,22mm2)
4p-L4GGD	4 wire (L4GGD-2x0,22mm2)
3p-L4TT	3 wire (L4TT-4x0,22mm2)
4p-L4TT	4 wire (L4TT-4x0,22mm2)
3p-L4TFDT	3 wire (L4TFDT-4x0,22mm2)
4p-L4TFDT	4 wire (L4TFDT-4x0,22mm2)

H	Cable length L_K
	specify in mm

I	Operating temperature
	specify in °C

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

Ordering Example

TOP-KKbm-15-1xPt100-A-5-M10x1-100-1.4571-3p-L4TT-1000-Z

stands for: Miniature resistance thermometer with resistor 1xPt100 class A, protection tube diameter ø5 mm, thread M10x1, length L=100 mm, material 1.4571, configuration 3-wire, cable type L4TT length Lk=1000 mm, standard sensor version (ceramic wire wound element).

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