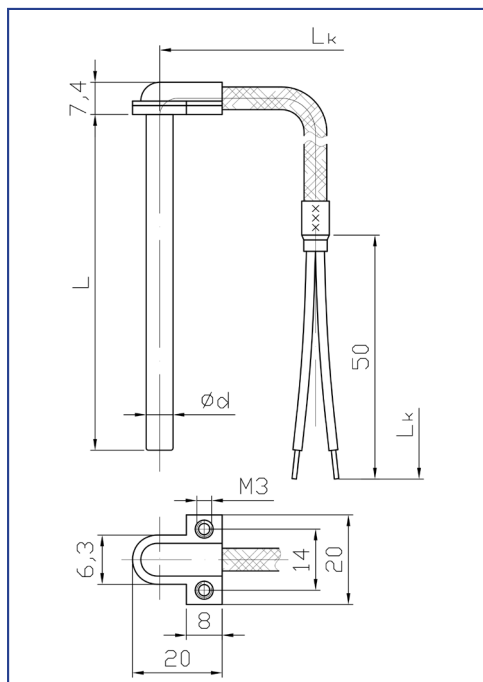


TOP-KKbm-16

Resistance Thermometer Pt100 Angular

Angular resistance thermometer TOP-KKbm-16, has been designed for temperature measurement in small machinery, machine sets and sub-assemblies up to +250°C. Small dimensions allows fast and precise measurement.

Thermometer could be provided with clamp connection UZG-47.



Type	Execution
TOP-KKbm-16	Basic - acc to catalog card
TOP-KKbm-16/Exi	Intrinsic safe – acc to Atex

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...+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	
	-50°C...+250°C / *(0°C...+150°C)		1/3B (AA)	3 mA		

Protect. tube diam. d	Material acc. DIN/AISI	Length L [mm]
Ø3, Ø3,5, Ø4, Ø5, Ø6, Ø8	1.4571/316Ti	on request

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	Ø4	L4TFDT-4x0,22mm2	teflon, film, screen, teflon	+260°C

Threaded compression fitting type UZG-47

on request, acc. to catalog card – UZG-47

Non-standard models available.

Ordering Information

TOP-KKbm-16	A	B	C	D	E	F	G	H	I	J
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A Execution	
-	Basic
/Exi	Intrinsic safe

B Resistor	
1xPt100	Single Pt100
2xPt100	Double Pt100

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

D Protection tube diameter	
3	d= 3 mm
3,5	d= 3,5 mm
4	d= 4 mm
5	d= 5 mm
6	d= 6 mm
8	d= 8 mm

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-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-16/Exi-1xPt100-A-6-265-1.4571-3p-L4GGD-1000-Z

stands for: Angular resistance thermometer, intrinsic safe, with resistor 1xPt100 class A, protection tube diameter $\varnothing 6$ mm, length $L=265$ mm, material 1.4571, configuration 3-wire, cable type L4GGD length $L_k=1000$ mm, standard sensor version (ceramic wire wound element).