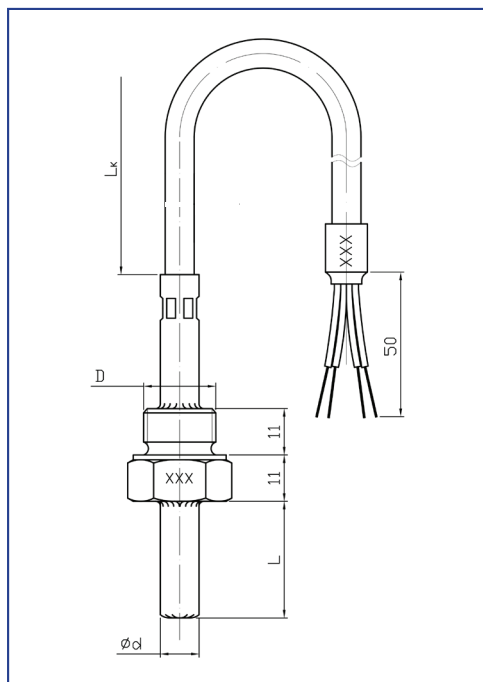


TOP-PKGKbm-171

Resistance Thermometer Pt100 with process connection fitting and cable

Resistance thermometer miniature type TOP-PKGKbm-171 is for temperature measurement inside tire on press AUBO in the tire industry.



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
				1/3B (AA)	3 mA	

Protect. tube diam. d	Material acc. DIN/AISI	Immersion length L [mm]	Process connection thread D
ø4, ø6	1.4571/316Ti	on request (min.25 mm)	M12x1 or M12x1,5

Configuration	Dimension	Connection Cable Type	Insulation	Temp. limits
3, 4 wire	ø 4,4	L4TDS-4x0,25mm2	teflon, screen, silicone	+180°C
3 wire	ø 3,8	L6TT-6x0,22mm2	teflon, teflon	+260°C

Non-standard models available.

Ordering Information

TOP-PKGKbm-171	A	B	C	D	E	F	G	H	I	J
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A Resistor	
1xPt100	Single Pt100
2xPt100	Double Pt100

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

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

D Immersion length L	
	specify in mm

E Process connection thread D	
M12x1	M12x1
M12x1,5	M12x1,5

F Protection tube material	
1.4571	1.4571 / 316Ti
	specify other material

G Lead wire configuration and cable type	
3p-L4TDS	3 wire (L4TDS-4x0,25mm ²)
4p-L4TDS	4 wire (L4TDS-4x0,25mm ²)
3p-L6TT	3 wire (L6TT-6x0,25mm ²)

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-PKGKbm-171-1xPt100-A-4-40-M12x1-1.4571-3p-L4TDS-1000-150-Z

stands for: Resistance thermometer miniature, with resistor 1xPt100, class A, protection tube diameter 4 mm, length L=40mm, process thread M12x1, protection tube material 1.4571, configuration 3-wire, cable type L4TDS, length L_K=1000 mm, operating temp. up to 150°C, standard sensor version (ceramic wire wound element).

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