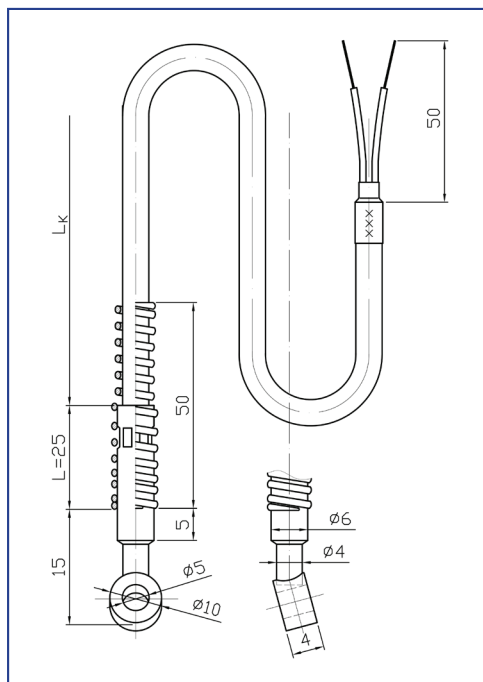


TER-PKbm-61

Special Thermocouple Miniature with connection cable



Thermocouple type TER-PKbm-61 has been designed for temperature measurement in instruments of rubber (tire) industry.

Ending (protection tube) of special ring shape, fixed, allows appropriate measurement.

Technical specification

Sheathed sensor insert	Temp. range - Class 1	Characteristic	Junction
1xFe-CuNi (J)	-40°C..+300°C	acc. EN 60584-1	ungrounded
1xNiCr-NiAl (K)	-40°C..+400°C		grounded

Protection tube diameter d [mm]	Tube Material acc. DIN/AISI	Length L [mm]	Ring Diameter OD/ID	Ring Material acc. DIN/AISI
ø6	1.4571/316Ti	25 mm	ø10 / ø5	M59/CuZn39Pb2

Thermocouple	Configuration	Dimension	Compensation cable type	Insulation	Temp. limits
Single	2 wire (1-pair)	ø 3,2	L2GGD-J-0,22mm2	glass fibre, glass fibre, screen	+400°C
		ø 3,3	L2GGD-K-0,22mm2		

Non-standard models available.

Ordering Information

TER-PKbm-61	A	B	C	D	E	F	G	H	I
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A Type of thermocouple	
1xJ	Single Fe-CuNi
1xK	Single NiCr-NiAl

B Protection tube diameter d	
6	d= 6 mm

C Protection tube material	
1.4571	1.4571/316Ti

D Protection tube length L	
25	L= 25 mm

E Ring diameter OD/ID	
10/5	OD/ID=10/5 mm

F Compensation cable type	
2p-L2GGD-J	2 wire (L2GGD-J-0,22)
2p-L2GGD-K	2 wire (L2GGD-K-0,22)

G Cable length L_k	
	specify in mm

H Junction	
O	ungrounded
Z	grounded

I Operating temperature	
	specify in °C

Ordering Example

TER-PKbm-61-1xK-6-1.4571-25-10/5-2p-L2GGD-K-800-O-300

stands for: Thermocouple special miniature, with thermo-element 1xNiCr-NiAl, protection tube diameter $\varnothing 6$ mm, material 1.4571, length 25mm, ring diameter $\varnothing 10/\varnothing 5$, configuration 2-wire, cable type L2GGD-K, length $L_k=800$ mm, ungrounded, operating temp. up to 300°C.