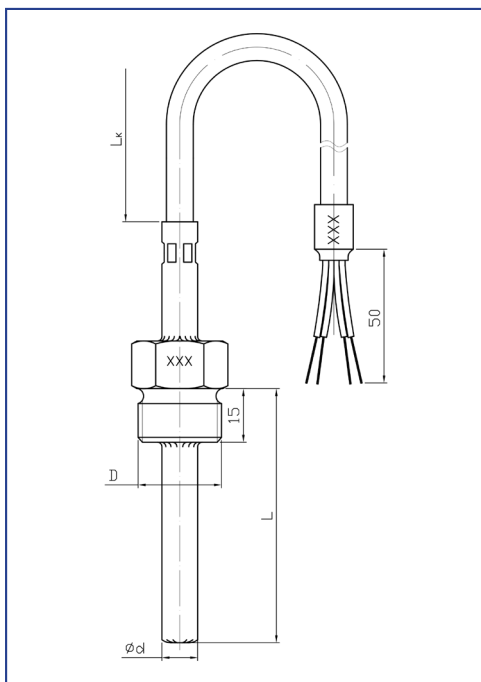


TER-PKGKbm-91

Thermocouple with process connection fitting and cable

Thermocouple with process connection fitting and cable has been designed for temperature measurement in industry instruments and aggregates. Connection fitting allows easy assembling (threading) to tag point. Cable connecting point temperature cannot exceed +150°C.



Type	Execution
TER-PKGKbm-91	Basic - acc to catalog card
TER-PKGKbm-91/ExiM1	Intrinsic safe for mining purposes – acc to Atex
TER-PKGKbm-91/Exi	Intrinsic safe – acc to Atex

Technical specification

Sheathed sensor insert	Temp. range - Class 1	Characteristic	Junction
1xFe-CuNi (J), 2xFe-CuNi (J)	-40°C..+300°C	acc. EN 60584-1	ungrounded
1xNiCr-NiAl (K), 2xNiCr-NiAl (K)	-40°C..+400°C		grounded

Sheathed protection tube diam. d	Material acc. DIN/AISI	Immersion length L [mm]	Process connection thread D
ø1, ø1,5, ø2, ø3, ø4,5, ø6	2.4816/Inconel 600	on request	on request (e.g. M10x1, M12x1, M20x1,5, G1/2", G1/4", G3/8")
	1.4571/316Ti		
	1.4541/321		

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		
		ø 3,2	L2TDT-J-0,22mm2	teflon, screen, teflon	+260°C
		ø 3,0	L2TDT-K-0,22mm2		
Double	4 wire (2-pair)	ø 4,0	L4GGD-J-0,22mm2	glass fibre, glass fibre, screen	+400°C
		ø 3,6	L4GGD-K-0,22mm2		

Non-standard models available.

Ordering Information

TER-PKGKbm-91	A	B	C	D	E	F	G	H	I	J
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A Execution	
-	Basic
/ExiM1	Intrinsic safe for mining purposes
/Exi	Intrinsic safe

B Type of thermocouple	
1xJ	Single Fe-CuNi
2xJ	Double Fe-CuNi
1xK	Single NiCr-NiAl
2xK	Double NiCr-NiAl

C Junction	
O	ungrounded
Z	grounded

D Sheathed protection tube diameter d	
1	d= 1 mm
1,5	d= 1,5 mm
2	d= 2 mm
3	d= 3 mm
4,5	d= 4,5 mm
6	d= 6 mm

E Immersion length L	
	specify in mm

F Sheath material	
Inconel600	2.4816/Inconel 600
1.4571	1.4571/316Ti
1.4541	1.4541/321

G Process connection thread D	
	specify type of thread

H Compensation cable type	
2p-L2GGD-J	2 wire (L2GGD-J-0,22)
2p-L2TDT-J	2 wire (L2TDT-J-0,22)
4p-L4GGD-J	4 wire (L4GGD-J-0,22)
2p-L2GGD-K	2 wire (L2GGD-K-0,22)
2p-L2TDT-K	2 wire (L2TDT-K-0,22)
4p-L4GGD-K	4 wire (L4GGD-K-0,22)

I Cable length L_k	
	specify in mm

J Operating temperature	
	specify in °C

Ordering Example

TER-PKGKbm-91-1xK-O-6-100-1.4571-M10x1-2p-L2GGD-K-4000-200

stands for: Thermocouple with process connection fitting and cable, basic execution, 1xNiCr-NiAl ungrounded, sheathed protection tube diameter 6mm, protection tube length 100mm, sheath material 1.4571/316Ti, thread M10x1, configuration 2-wire, cable type L2GGD-K length L_k=4000 mm, operating temp. up to 200°C.