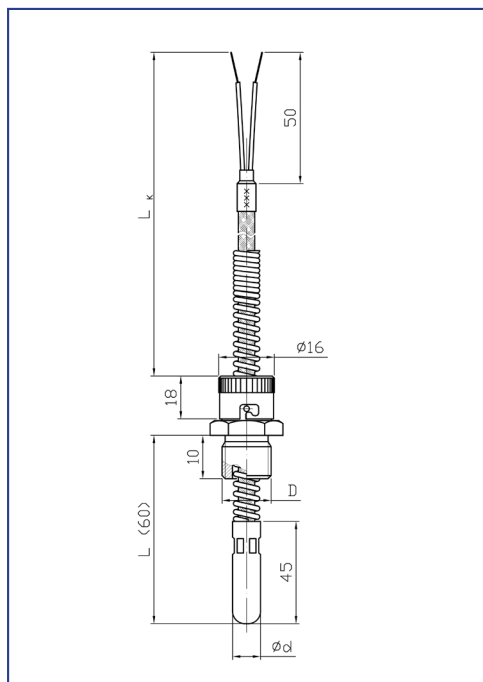


TER-PZKbm-38

Thermocouple with flexible cable



Thermocouple with flexible cable type TER-PZKbm-38 has been designed for temperature measurement of bearings, injection moulding press cylinders, moulding and vulcanization forms, heat plates and others using thermo-elements Fe-CuNi (J), NiCr-Ni (K) or Cu-CuNi for temperature ranges from -40°C to +400°C.

Clasp lock mounting features easy and quick installation, replace and dismantling of the thermocouple. Metal braid protected connection cable is corrosion resistant and allows for remote location of thermometer.

Type	Execution
TER-PZKbm-38	Basic - acc to catalog card
TER-PZKbm-38/ExiM1	Intrinsic for mining purposes – acc to Atex
TER-PZKbm-38/Exi	Intrinsic – 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		

Protection tube diameter d [mm]	Material acc. DIN/AISI	Length L [mm]	Process connection thread D
ø4, ø5, ø6	1.4571/316Ti	on request	on request (e.g. M10x1, M12x1, M14x1,5)

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		
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-PZKbm-38	A	B	C	D	E	F	G	H	I
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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 Protection tube diameter d	
4	d= 4 mm
5	d= 5 mm
6	d= 6 mm

D Protection tube material	
1.4571	1.4571/316Ti

E Process connection thread D	
	specify type of thread

F Immersion length L	
	specify in mm

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

H Cable length L_k	
	specify in mm

I Operating temperature	
	specify in °C

Ordering Example

TER-PZKbm-38-1xK-6-1.4571-M12x1-60-3p-L4GGD-K-4000-380

stands for: Thermocouple with flexible cable, 1xNiCr-NiAl, protection tube diameter $\varnothing$ 6 mm, material 1.4571, thread M12x1, immersion length L=60 mm, configuration 3-wire, cable type L4GGD-K length L_k =4000 mm, operating temp. up to 380°C.