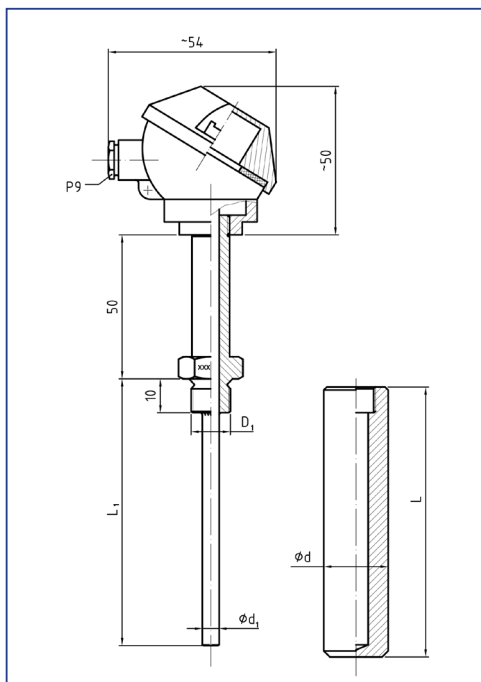


TER-PKGm-97

Straight Thermocouple (Type J, K) Miniature

Miniature thermocouple type TER-PKGm-97 is for precise temperature measurement of gases and liquids.



Type	Execution
TER-PKGm-97	Basic - acc to catalog card
TER-PKGm-97/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..+400°C	acc. EN 60584-1	ungrounded
1xNiCr-NiAl (K), 2xNiCr-NiAl (K)			grounded

Sheathed protection tube diam. d ₁ [mm]	Material acc. DIN/AISI	Immersion length L ₁ [mm]	Process connection thread D ₁
ø1, ø1.5, ø2, ø3, ø4.5	1.4571/316Ti	on request	on request (e.g. M8x1, M12x1, G1/4", G3/8")

Additional Thermowell diam. d	Material acc. DIN/AISI	Connection head	Max operating temp.	Transmitter
specify in mm	on request (e.g. 1.4571, 1.0715)	MA	+100°C	on request

Non-standard models available.

Ordering Information

TER-PKGm-97	A	B	C	D	E	F	G	H	I	J	K
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A Execution	
-	Basic
/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	
1	$d_1 = 1 \text{ mm}$
1,5	$d_1 = 1,5 \text{ mm}$
2	$d_1 = 2 \text{ mm}$
3	$d_1 = 3 \text{ mm}$
4,5	$d_1 = 4,5 \text{ mm}$

E Immersion length L_1	
	specify in [mm]

F Process connection thread D_1	
	specify type of thread

G Additional thermowell material	
1.4571	1.4571 / 316Ti
1.0715	1.0715
	specify other material

H Additional Thermowell diam. d	
	specify diameter in mm

I Connection head	
MA	MA

J Operating temperature	
	specify in °C

K Transmitter	
	specify type and temp. range in °C

Ordering Example

TER-PKGm-97-1xJ-O-3-200-M8x1-1.4571-10-MA-300

stands for: Straight miniature thermocouple, basic, single thermo-element Fe-CuNi, junction ungrounded, protection tube diameter $\varnothing 3 \text{ mm}$, immersion length $L_1=200 \text{ mm}$, thread M8x1, additional thermowell material 1.4571 and diameter $d=10 \text{ mm}$, connection head MA, operating temp. up to 300°C .