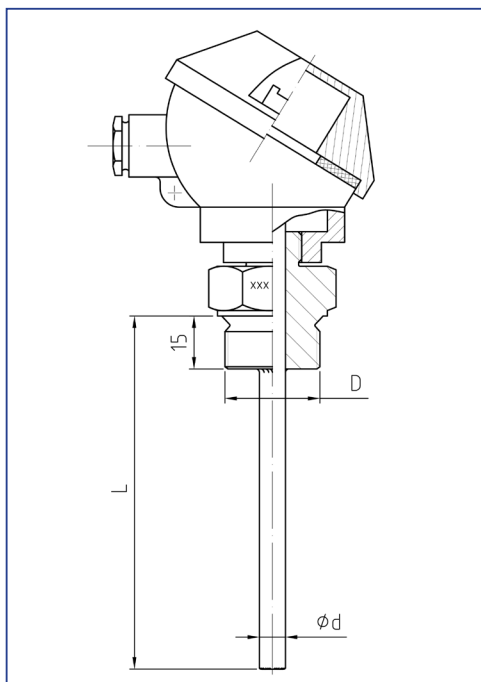


TER-PKGm-99

Sheathed Thermocouple with process connection fitting

Sheathed thermocouple type TER-PKGm-99 with process connection fitting is for temperature measurement of gases and liquids in the range of -40°C..+1000°C.



Type	Execution
TER-PKGm-99	Basic - acc to catalog card
TER-PKGm-99/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..+700°C	acc. EN 60584-1	ungrounded
1xNiCr-NiAl (K), 2xNiCr-NiAl (K)	-40°C..+1000°C		grounded

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

Connection head	Max operating temp.	Transmitter
MA	+100°C	on request (max ø25x20 mm)

Non-standard models available.

Ordering Information

TER-PKGm-99	A	B	C	D	E	F	G	H	I	J
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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 Sheath diameter d	
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 Connection head	
MA	MA

I Operating temperature	
	specify in °C

J Transmitter (max space ø25x20 mm)	
	specify type and temp. range in °C

Ordering Example

TER-PKGm-99-1xJ-O-3-200-Inconel600-M12x1,5-MA-300

stands for: Sheathed thermocouple, basic execution, single thermo-element Fe-CuNi, junction ungrounded, sheath diameter d=ø3 mm, immersion length L=200 mm, sheath material Inconel 600/2.4816, thread M12x1,5, connection head type MA, operating temp up to 300°C.