Multi-level thermocouple, type

"T-M 15 (20,25,32,45,54,63...) FHaKa"

Rigid design with custom-manufactured connection option



Set-up:

Thermocouples 1(or number n=x) Type "J", "K" und "N", performance according to DIN EN 60584, Tolerance class 1 or 2, insulated or ground-welded, designed as MI cable, insulation made of highly compressed magnesium powder.

Installed in a protective fitting made of stainless steel or Inconel, e.g. with connection flange, neck tube and connection box made of stainless steel, aluminium or plastic with cable screw connections and installed series terminals, measurement transmitters are also possible. If required the cable screwed connections can also be replaced by various plug versions.

Other process connections or designs not listed here, can also be supplied. (For other options, please refer to the worksheet).

Specification of thermocouples and max. recommended temperature load for element type:

Fe-CuNi, "J" sleeve	NiCr-Ni, "K"	NiCrSi-NiSi, "N"	protection
600°C	600°C	600°C	Stainless steel
600°C	800°C	800°C	Alloy 600

For an improved response time the components can be connected under certain conditions with the inner walls of the protection sleeve; see special designs section or ask our technical customer service department.

Areas of application:

Chemicals: in vessels & reactors Petrochemicals: In catalyst filling

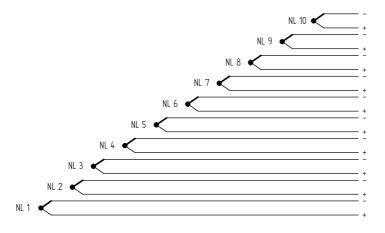
and in distillation columns

Research: In laboratories and technical facilities

for media such as gases, vapours and

liquids

Example type of wiring:



Krick Meßtechnik & Partner GmbH & Co. KG Am Bahnhof 6a D-63505 Langenselbold

USt.ld-Nr.: DE 811534429

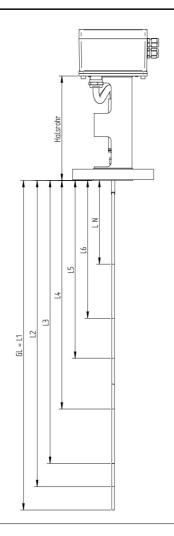
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Pers. Haftender Gesellschafter: KMP Verwaltungs-GmbH, Amtsgericht Hanau HRB 95891

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Possible number of measuring points with single element "T-Ma

Protection sleeve	n~ measuring points	Lmax./metres	Mat.
1.5*0.15mm	≤3	3.0m	VA/Inco*
2.0*0.2mm	≤7	3.0m	VA/Inco*
2.5*0.2mm	≤11	3.0m	VA/Inco*
3.0*0.2mm	≤19	10/3m	VA/Inco*
3.2*0.2mm	≤23	10/3m	VA/Inco*
3.5*0.2mm	≤28	10/3m	VA/Inco*
4.0*0.5mm	≤26	25/25m	VA/Inco*
4.5*0.5mm	≤36	25/25m	VA/Inco*
5.0*0.5mm	≤48	25/25m	VA/Inco*
6.35*0.89mm	≤64	25/25m	VA/Inco*
7.0*1.0mm	≤77	25/25m	VA/Inco*
			* if available

Protective tube diameter D: Protective tube material:

indicate acc. table	1.4301/1.4541	◎
Ø Diameter	1.4404/1.4571	◎
max. protection sleeve length up to	2.4816 (Inconel)	◎
Process connection	other	

Process connection: Material:

Nozzle		1.4301/1.4541	$ \odot $
Compression Fit	tting	1.4404/1.4571	©
Flange		2.4816 (Inconel)	©
other		other	

Nominal length NL: Document measuring point distribution here, or attach enquiry in separate file/sheet.

Connection box Transmitter Neck tube:

welded self-supporting		Plastic		◎	INOR	@
with flange	◎	Aluminium		©	PR electronics	@
with union cap	©	Stainless steel		©	other	
or with 2*M16 threaded rods		Protection type	IP54	©		
for height adjustment	©	Protection type	IP65	©	ATEX Ex nA	©
		other			ATEX Ex e	©
					ATEX Ex ia	©
					other	

Please enter additional information for version with connection boxes here:

(Example: number and size or input screwed connections, number and design of required fittings such as plug connections or assembly aid etc.)

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Example Example Example Example with flange with union cap with threaded rods with plug connection optionally instead of connection box with transition dome for Connected Lemosa coupling directly in dome (box): Lemosa recessed box: Size: depending on number of measuring points – specification by KMP Lemosa housing Plug $|\odot|$ receptacle |@| optionally instead of a connection box with transition dome inc. extension leads with/without assembled plug system: lead length: connected thermoelectric lead: Insulation silicone |@| Shielding Yes I⊕I Ferrules | © | KL=350mm 101 other____ Teflon |©| No |©| KL=1500mm 101 Glass silk |⊕| KL=3000mm I@I other Plug-in connection with thermal plug Plug-in connection with Lemosa plug: Plug |©| receptable | © | Housing size 0|©| size 1 Standard (round) Plug | (19) receptable |@| Plug $| \odot |$ receptable | © | without plug; otherwise only ferrules | © | other_ Temperature load: Measurement point: from _____ to ____ °C environment/connection cable: ____ °C **Sheathed - thermocouple: Tolerance class: Measuring point:** Class "2" Fe-CuNi "J" 1001 welded insulated |⊕| NiCr-Ni "K" Class "1" 1001 base welded 1001 1001 NiCrSi-NiSi "N" I@I other Other Company/Sender: __ Your Ref.-No.: Contact: Quantity: Street/Town: Delivery time: Email address: Telephone: Krick Meßtechnik & Partner GmbH & Co. KG Telefon 06184/92390 Sparkasse Oberhessen Geschäftsführer

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