

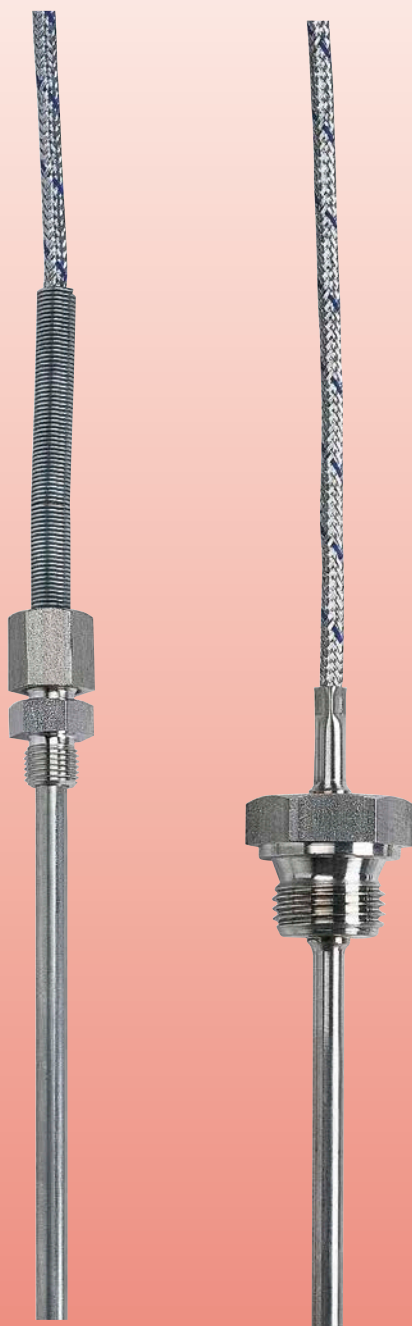


Screw-In Thermocouples with Compensating Lead

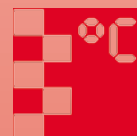


measuring
•
monitoring
•
analysing

MTE-1



- Measuring ranges:
-200 ... +400 °C
- Bulbs in
stainless steel 1.4404
- NiCr-Ni or Fe-CuNi
thermocouples
- Accuracy class 2
(Option class 1)
- Connection: cable



T2

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KOBOLD Messring GmbH
Nordring 22-24
D-65719 Hofheim/Ts.
Head Office:
+49(0)6192 299-0
+49(0)6192 23398
info.de@kobold.com
www.kobold.com

Description

The screw-in thermocouples comprise a rugged sensor made of stainless steel in which the thermocouple is inserted. This is directly connected with the compensating lead. Depending on the version, the connecting leads are suitable for dry or moist rooms. The junction between connecting lead and protective tube is strain relieved and is fitted with a bend protection.

Protective tube and thread are made of stainless steel. Other materials are available on request.

Thermocouples according to IEC 584-1 are used in the measuring insert as standard. Thermocouples

according to DIN 43 710 or other versions are also available on request.

These sensors are available as single or double thermocouples.

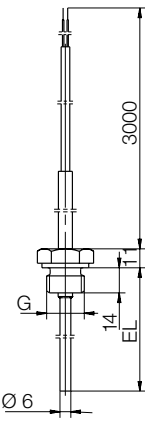
Applications

Screw-in thermocouples are particularly suited for measuring temperature in liquid and gaseous media.

Areas of application are to be found in heating installation, furnace, machine and apparatus construction as well as in industry in general.

Screw-in thermocouples

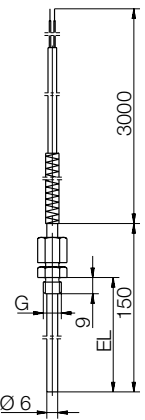
with fixed process connection G 1/2 male thread

	Protective tube and process connection in stainless steel 1.4404 Connecting lead: glass fibre / stainless steel braided 0.22 mm² with bend protection Standard cable length: 3000 mm, others on request Temperature range: -200 ... +400 °C			
	Model number	Immersion length	Sensor type	Connection cable
	MTE-164 102..	100 mm	..J1.. = 1x FeCu-Ni ..J2.. = 2x FeCu-Ni ..K1.. = 1x NiCr-Ni ..K2.. = 2x NiCr-Ni	..E = stainless steel braided cable (standard 3 m)
	MTE-164 162..	160 mm		
	MTE-164 252..	250 mm		
	MTE-164 402..	400 mm		
	MTE-164 502..	500 mm		
	MTE-164 xx2..	Special length		

Please specify special lengths for bulb or cable in writing!

Screw-in thermocouples

with sliding process connection M10x1 male thread

	Protective tube and process connection in stainless steel 1.4404 Connecting lead: glass fibre / stainless steel braided 0.22 mm² with bend protection Standard cable length: 3000 mm, others on request Temperature range: -200 ... +400 °C			
	Model number	Immersion length	Sensor type	Connection cable
	MTE-164 10H..	100 mm	..J1.. = 1x FeCu-Ni ..J2.. = 2x FeCu-Ni ..K1.. = 1x NiCr-Ni ..K2.. = 2x NiCr-Ni	..E = stainless steel braided cable (standard 3 m)
	MTE-164 16H..	160 mm		
	MTE-164 25H..	250 mm		
	MTE-164 40H..	400 mm		
	MTE-164 50H..	500 mm		
	MTE-164 xxH..	Special length		

Please specify special lengths for bulb or cable in writing!