Screw-In Thermocouples
with Compensating Lead

KOBOLD

T2

- Measuring ranges:
  -200 ... +600 °C
- Bulbs in stainless
  steel 1.4571
- NiCr-Ni or Fe-CuNi
  thermocouples
- Accuracy class 2
  (option category 1)
- Connection: cable
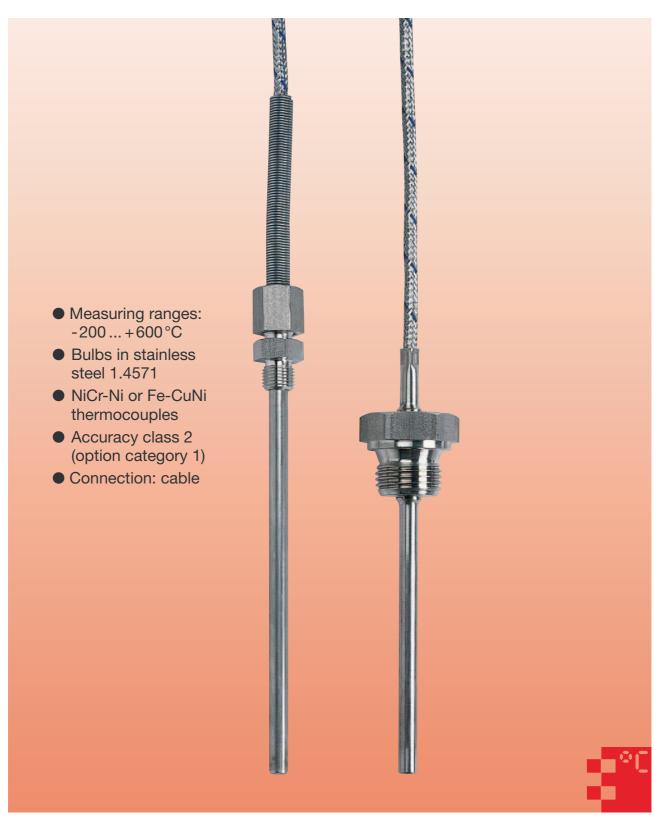
°C

Model:
TTE

131

Screw-In Thermocouples with Compensating Lead

T2

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, category 2 are used in the measuring insert as standard. Thermocouples accor-

ding to DIN 43 710 or other versions are also available upon request.

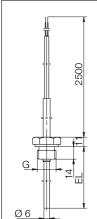These sensors are available as single or double thermo-couples.

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
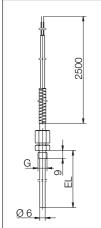with fixed process connection G ½ male thread

Protective tube and process connection in stainless steel 1.4571 Connecting lead: glass silk/glass silk/stainless steel braided 0.22 mm² with bend protection Standard cable length: 2500 mm, others upon request Temperature range: -200 ... +600°C			
Model number	**Immersion length**	**Sensor type/category**	**Connection cable**
TTE-164 102..	100 mm	**..J1..** = 1 x FeCu-Ni, category 2 **..J2..** = 2 x FeCu-Ni, category 2 **..K1..** = 1 x NiCr-Ni, category 2 **..K2..** = 2 x NiCr-Ni, category 2	**..E** = stainless steel braided cable (standard 2.5 m)
TTE-164 162..	160 mm		
TTE-164 252..	250 mm		
TTE-164 402..	400 mm		
TTE-164 502..	500 mm		
TTE-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 1.4571 Connecting lead: glass silk/glass silk/stainless steel braided 0.22 mm² with bend protection Standard cable length: 2500 mm, others upon request Temperature range: -200 ... +600°C			
Model number	**Immersion length**	**Sensor type/category**	**Connection cable**
TTE-164 10H..	100 mm	**..J1..** = 1 x FeCu-Ni, category 2 **..J2..** = 2 x FeCu-Ni, category 2 **..K1..** = 1 x NiCr-Ni, category 2 **..K2..** = 2 x NiCr-Ni, category 2	**..E** = stainless steel braided cable (standard 2.5 m)
TTE-164 16H..	160 mm		
TTE-164 25H..	250 mm		
TTE-164 40H..	400 mm		
TTE-164 50H..	500 mm		
TTE-164 xxH..	Special length		

Please specify special lengths for bulb or cable in writing

02 / 06-2008