



Immersion and Insertion Thermocouples with Compensating Lead



measuring
•
monitoring
•
analysing



- Measuring ranges:
0 ... +600 °C
- Bulbs in stainless steel
1.4571
- NiCr-Ni or Fe-CuNi
thermocouples
- Accuracy class 2
(option category 1)



T2

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Model:
TTE

Description

The immersion and insertion thermocouples comprise a rugged sensor made of stainless steel in which the thermocouple is inserted. It 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.

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.

Applications

Immersion and insertion 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.

Immersion/insertion thermocouples

Angular sensor

Bulb in stainless steel 1.4571, Ø 6 mm Connecting lead: stainless steel braided 0.22 mm ² Standard cable length: 2500 mm, others upon request Temperature range: 0 ... +300 °C			
Model number	Immersion length	Sensor type/category	Connection cable
TTE-664 060..	60 mm	..J1.. = 1 x FeCu-Ni, categ. 2 ..J2.. = 2 x FeCu-Ni, categ. 2 ..K1.. = 1 x NiCr-Ni, categ. 2 ..K2.. = 2 x NiCr-Ni, categ. 2	..E = stainless steel braided cable (standard 2.5 m)
TTE-664 xx0..	other length		

Please specify special lengths for bulb or cable in writing

Immersion/insertion thermocouples

Straight version

Bulb in stainless steel 1.4571, Ø 6 mm Connecting lead: stainless steel braided 0.22 mm ² , with bend protection Standard cable length: 2500 mm, others upon request Temperature range: 0 ... +600 °C (0 ... +400 °C for EL=50 mm)			
Model number	Immersion length	Sensor type/category	Connection cable
TTE-864 050..	50 mm	..J1.. = 1 x FeCu-Ni, categ. 2 ..J2.. = 2 x FeCu-Ni, categ. 2 ..K1.. = 1 x NiCr-Ni, categ. 2 ..K2.. = 2 x NiCr-Ni, categ. 2	..E = stainless steel braided cable (standard 2.5 m)
TTE-864 100..	100 mm		
TTE-864 xx0..	other length		

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