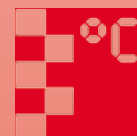


## Immersion and Insertion Thermocouples with Compensating Lead

**MTE-6/-8**



- Measuring ranges:  
0 ... +400 °C
- Bulbs in  
stainless steel 1.4404
- NiCr-Ni or Fe-CuNi  
thermocouples
- Accuracy class 2  
(option class 1)



T2

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## 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 are used in the measuring insert as standard.

Thermocouples according to DIN 43710 or other versions are also available on request.

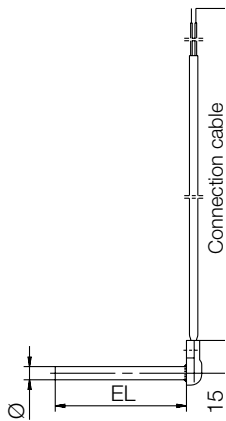
## Applications

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

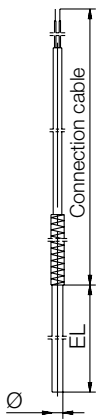
Angular sensor

|  |  |                         |  |  |
|--|--|-------------------------|--|--|
|  | <b>Bulb in stainless steel 1.4404, Ø 6 mm</b><br><b>Connecting lead: glass silk/stainless steel braided 0,22 mm<sup>2</sup></b><br><b>Standard cable length: 3000 mm, others on request</b><br><b>Temperature range: 0 ... +300 °C</b> |                         |  |  |
|  | <b>Model number</b>  | <b>Immersion length</b> | <b>Sensor type</b>                         | <b>Connection cable</b>                            |
|  | MTE-664 060..  | 60 mm                   | ..J1.. = 1x FeCu-Ni<br>..J2.. = 2x FeCu-Ni | ..E = stainless steel braided cable (standard 3 m) |
|  | MTE-664 xx0..  | other length            | ..K1.. = 1x NiCr-Ni<br>..K2.. = 2x NiCr-Ni |  |

Please specify special lengths for bulb or cable in writing!

## Immersion/insertion thermocouples

Straight version

|   |   |                         |  |  |
|---|---|-------------------------|--|--|
|  | <b>Bulb in stainless steel 1.4404, Ø 6 mm</b><br><b>Connecting lead: glass silk/stainless steel braided 0,22 mm<sup>2</sup> with bend protection</b><br><b>Standard cable length: 3000 mm, others on request</b><br><b>Temperature range: 0 ... +400 °C</b> |                         |  |  |
|   | <b>Model number</b>   | <b>Immersion length</b> | <b>Sensor type</b>                         | <b>Connection cable</b>                            |
|   | MTE-864 050..   | 50 mm                   | ..J1.. = 1x FeCu-Ni<br>..J2.. = 2x FeCu-Ni | ..E = stainless steel braided cable (standard 3 m) |
|   | MTE-864 100..   | 100 mm                  | ..K1.. = 1x NiCr-Ni<br>..K2.. = 2x NiCr-Ni |  |
|   | MTE-864 xx0..   | other length            |  |  |

Please specify special lengths for bulb or cable in writing!