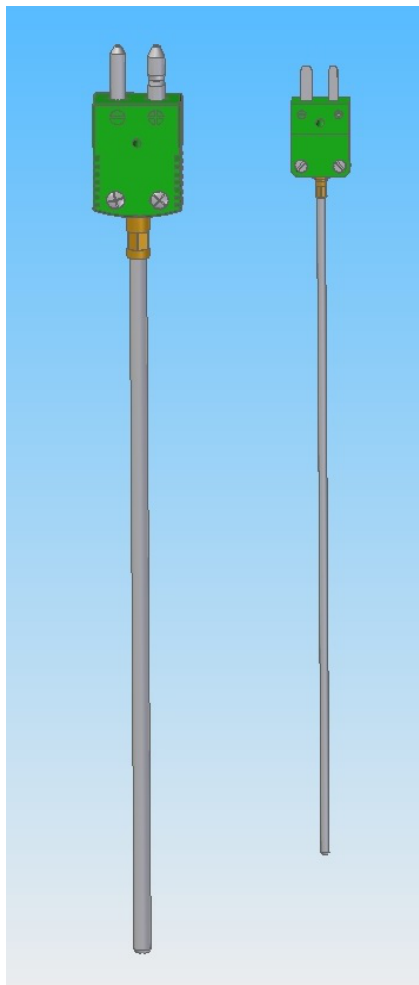


Sheathed thermocouple with thermal plug

Flexible version with
mounted thermal plug



Structure according to EN 61515:

Thermocouples 1(2) x Type "J", "K" and "N", Basic values according to **EN 60584**, Tolerance class 1 or 2; Type "L" according to **DIN 43710**, Tolerance class 2, insulated or welded to the ground, completely in flexible version as mineral insulated sheathed cable, insulation of highly compressed magnesium powder.

Sheath material for:

Type "J" and "L" made of stainless steel;

Type "K" and "N" made of Inconel

Thermal plug connected directly to the sheathed cable according to DIN EN 50212 with contacts of thermal material for sheathed cable diameter:

DMa = 1.5mm	Thermal plug – Mini; flat contacts
DMa = 2.0mm	Thermal plug – Mini; flat contacts
DMa = 3.0mm	Thermal plug – Mini; flat contacts
DMa = 4.5mm	Thermal plug – Standard; round contacts
DMa = 6.0mm	Thermal plug – Standard; round contacts

Diameters and lengths that are not listed can also be delivered.

(For variants please refer to the worksheet).

Design of the thermocouples:

max. recommended temperature load for element type:

	Fe-CuNi, Type "J"	Fe-CuNi, Type "L"	NiCr-Ni, Type "K"	NiCrSi-NiSi, Type "N"
DMa = 1.5mm	600°C	600°C	900°C	900°C
DMa = 2.0mm	600°C	600°C	900°C	900°C
DMa = 3.0mm	700°C	700°C	1000°C	1000°C
DMa = 6.0mm	700°C	700°C	1000°C	1000°C
DMa = 8.0mm	700°C	700°C	1200°C	1200°C

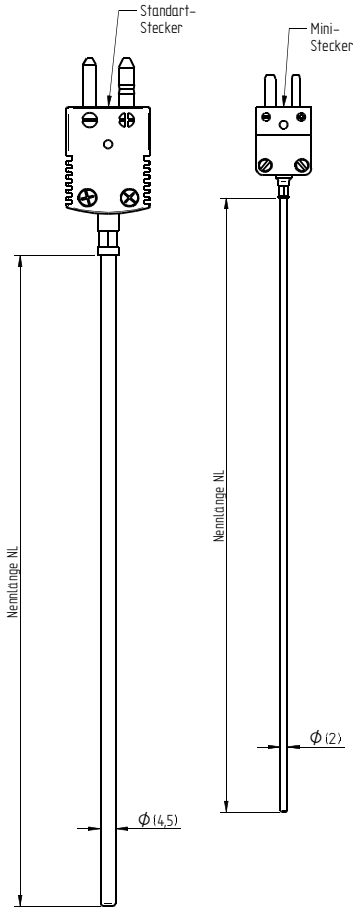
For very rapid response behaviour, the element can also be welded to the ground; see the section on Special versions or ask our technical customer service.

Areas of application:

Pilot plants
Furnaces at locations that are difficult to access
For measurements in large, hot areas
Parts that can be glued or soldered in plants
for gas, steam, fluids

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Flexible version with mounted thermal plug



Sheath diameter DMA:

- 0.5mm
- 1.5mm
- 3.0mm
- 4.5mm
- 6.0mm
- Others _____

Sheath material:

- 1.4541 (V2A)
- 2.4816 (Inco)
- others _____

Nominal length NL:

- 100mm 1000mm
- 300mm 2000mm
- 500mm others _____

Plug connector:

- Size Mini with flat contacts (up to diameter DMA= 3.0mm)
- Standard with round contacts (from diameter DMA= 3.0mm)

- Plug temperature 200°C 350°C 650°C
- Version up to 650°C only as standard thermal plug with round contacts.
- single (1 Element) dual (2 Elements)

Temperature load: Measurement point: from | | to | | °C Environment/Plug: | | °C

Sheathed - thermocouple:

- NiCr-Ni "K" single dual
- Fe-CuNi "J" single dual
- NiCrSi-NiSi "N" single dual
- Fe-CuNi "L" single dual
- PtRh-Pt "S" single dual
- PtRh-Pt "R" single dual
- Others _____

Additional specification/ Remarks:

Tolerance class:

- Class "2"
- Class "1"
- others _____

Measuring point:

- welded insulated
- ground welded

Company :|_____| Your Ref. :|_____|
 Contact person :|_____| Quantity :|_____|
 Street/Place :|_____| Del. time :|_____|
 Email address :|_____| Telephone :|_____|