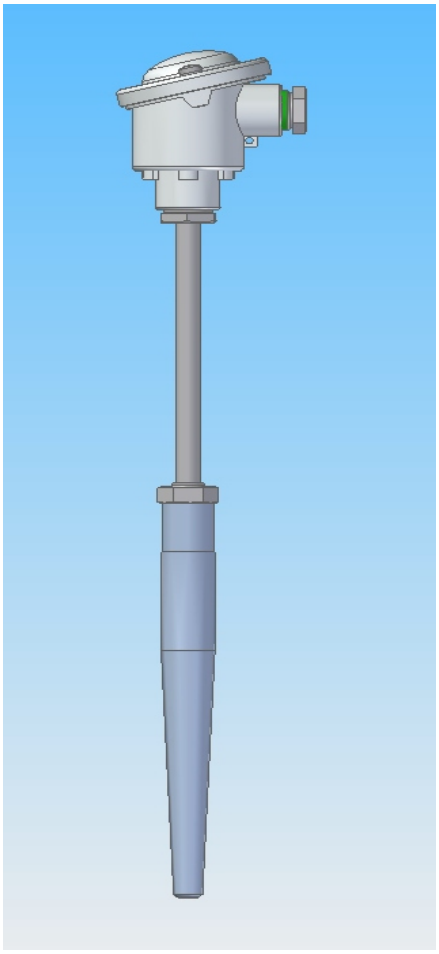
Weld-in thermocouple

Form 4 in accordance with DIN 43767 / 43735

Fitting with replaceable thermocouple inset



Structure of the fitting:

Structure Form 4 in accordance with DIN 43772, shaft diameter 18, 24, 26 or 36 mm, possible shaft lengths 110… 410mm, conical, tapered from Ø 9 to Ø 20 mm depending on the version;
Materials: 1.7335 (13CrMo44), 1.7380 (10CrMo910), 1.5415 (15Mo3), 1.4571 (6CrNiMoTi17122);
Extension pipe length 165 mm (155), diameter 11 mm in stainless steel.
Connection head of light metal Form B according to DIN EN 50446 with cable entry M20x1.5.
(For variants please refer to the worksheet).

Structure of the inset:

Thermocouples 1 (2) x Type "J", "K", "N" and Type "S"; basic values in accordance with DIN EN 60584, tolerance class 2; Thermo wires are insulated from each other through a ceramic capillary pipe in accordance with DIN 43725 - in case of precious metal in ceramic material "Ker 799"; alternatively inset in flexible version as mineral insulated sheathed thermocouple inset of 6 or 8 mm diameter of stainless steel or Inconel material.
Shelf plate with connection socket.
(For variants please refer to the worksheet).

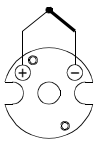
Design of the thermocouples:

Max. temperatures according to DIN for element type:

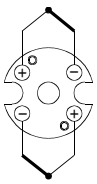
Fe-CuNi, Type "J"	600°C	Fe-CuNi, Type "L"	600°C
NiCr-Ni, Type "K"	800°C	NiCrSi-NiSi, Type "N"	800°C

Even pressure resistant and high pressure resistant versions are available; Additional type specification "HD". For pressure resistant and stable flow versions, also refer to the section Special versions or ask our technical customer service.

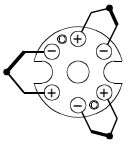
Types of wiring:



Element single



Element dual



Element triple

Areas of application:

Plant, pipeline and tank construction
Power plant technology
Furnace construction
Chemicals:
for gas, steam, fluids, powders and granulates

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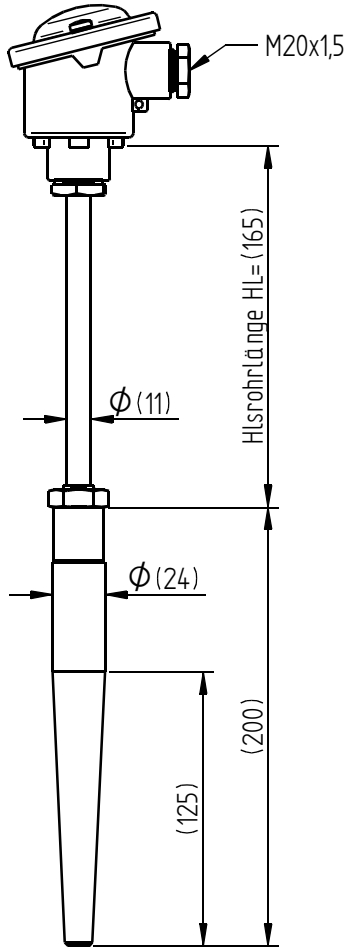
Weld-in thermocouple

Form 4 in accordance with DIN 43767 / 43735

Fitting with replaceable thermocouple inset



Weld-in protective sleeve Form 4:

Total length L	Ø h7	Drilling depth	Length of cone	
110	24	105	65	|☺|
110	18	105	73	|☺|
140	24	135	65	|☺|
170	18	165	133	|☺|
200	24	195	65	|☺|
200	24	195	125	|☺|
260	24	255	125	|☺|
410	32	405	275	|☺|

Others _____|_____|_____|_____|

Material of protective sleeve:

1.7335 (13CrMo44) |☺|
1.7380 (10CrMo910) |☺|
1.5415 (15Mo3) |☺|
1.4571 (6CrNiMoTi17122) |☺|
others _____ |☺|

Extension pipe length HL: 165mm |☺|
others _____ |☺|

Connection head:

Form A Light metal |☺|
Form B Light metal |☺|
others _____|☺|

Certification of material testing according to DIN 50049

2.1 Plant certification |☺|
2.2 Test certificate |☺|
Independent expert 3.1 Acceptance test certificate |☺|

Temperature load: Measurement point: from |_____| to |_____|°C Environment/Connection head: |_____|°C

Calculation of the inset length = Rating length + Extension pipe length + 10mm

Thermocouple inset:

NiCr-Ni "K" single |☺| dual |☺|
Fe-CuNi "J" single |☺| dual |☺|
NiCrSi-NiSi "N" single |☺| dual |☺|
PtRh-Pt "S" single |☺| dual |☺|
others |_____|

Tolerance class

Class "2" |☺| Class "2" |☺| others |_____|

Additional specification/ Remarks:

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

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