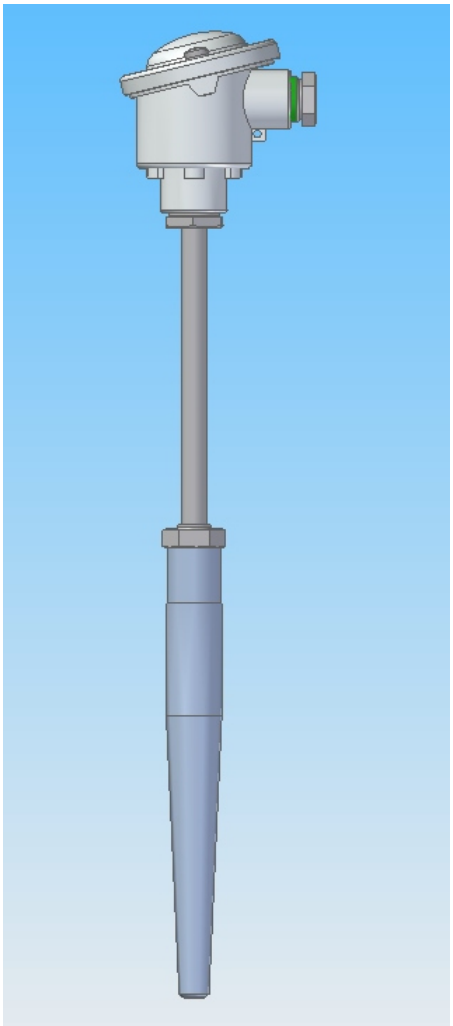
Weld-in resistance thermometer

Form 4 in accordance with DIN 43767 / 43735

Fitting with replaceable
resistance thermometer 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…410 mm, 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 of 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 in accordance with DIN 43735:

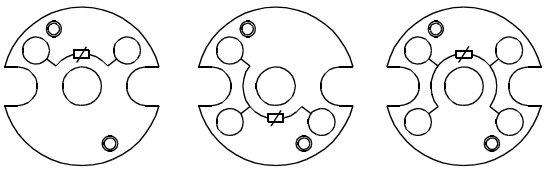
Precision resistor single or dual, Type Pt-100 according to IEC 60751 in tolerance class B or A, connected in 2-, 3- or 4-wire circuit from precision resistor, installed in a rigid inset pipe of stainless steel material or as sheathed resistance thermometer - inset in flexible version with a diameter of 6 mm.
Shelf plate with connection socket.

(For variants please refer to the worksheet).

Design of resistance thermometer:

Temperatures up to 600°C standard, on request with Nickel-feed lines and Inconel inset pipe for temperatures up to 800°C; Additional type specification "HT". Precision resistor is insulated in a ceramic powder and vibrated and sealed airtight.
In flexible version up to 450°C as standard, over that with mineral insulated sheath cable of Inconel material and internal nickel leads for temperatures up to 800°C; Additional type specification "HT". Precision resistor is insulated in a ceramic powder and vibrated and sealed airtight. Even shockproof and high vibration resistant versions are available; additional type specification "E". For pressure resistant and stable flow versions, also refer to the section Special versions or ask our technical customer service.

Types of wiring:



Pt-100 2-lead Pt-100 3-lead Pt-100 4-lead

Areas of application:

Plant, pipeline and tank construction
Heating and air conditioning technology
Power plant technology
Furnace construction
Chemicals
for gas, steam, fluids and granulates

Krick Meßtechnik & Partner GmbH & Co. KG
Am Bahnhof 6a
D-63505 Langenselbold
USt.Id-Nr.: DE 811534429

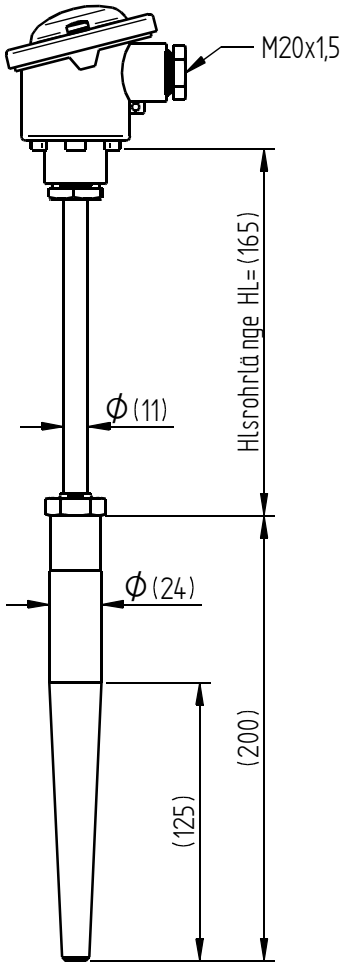
Sparkasse Oberhessen
Filiale Echzell
BIC : Hela de F1 FRI
IBAN: DE 5751850079 0085 002 279

Telefon 06184/92390
Telefax /923922
E-Mail info@kmp-online.de
Geschäftsführer
Dipl.-Ing. Herbert Krick
Amtsgericht Hanau HRA 5106
Pers. Haftender Gesellschafter: KMP Verwaltungs-GmbH, Amtsgericht Hanau HRB 95891

Weld-in
resistance thermometer

Form 4 according to DIN 43722

Fitting with replaceable
resistance thermometer inset



Weld-in protective sleeve:

Total length L	Ø h7	Drilling depth	Cone length	
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 |☺|
Acceptance test certificate |☺|

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

Calculation of the inset length = Protective tube length + Extension pipe length + 10mm

Sheath resistance thermometer inset:
Pt-100 single |☺| dual |☺|
Pt-1000 single |☺| dual |☺|
Others |_____|

2-|☺| 3-|☺| 4-|☺| wire circuit

Tolerance class
Class B |☺|
Class A |☺|
Others |_____|

Additional specification/ Remarks:

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

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