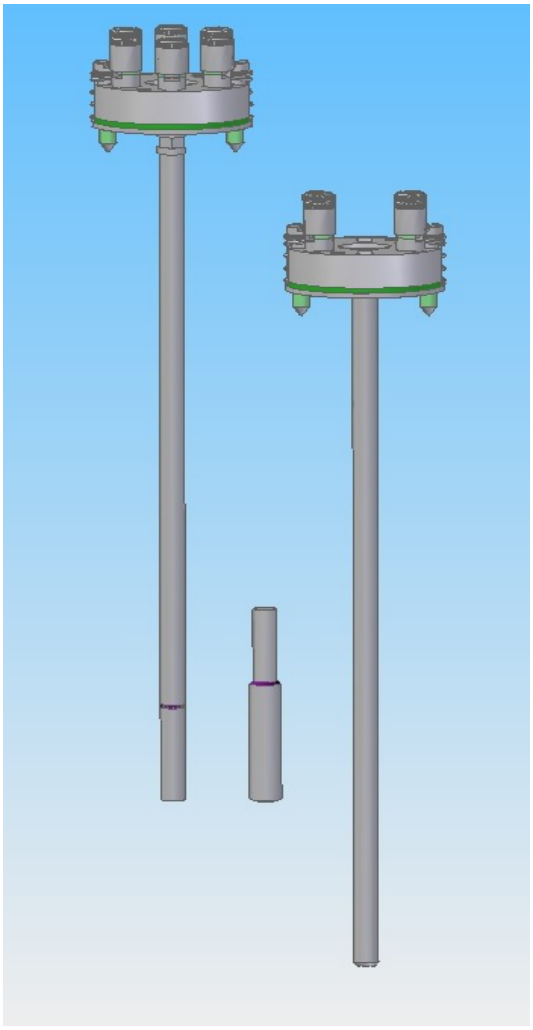
Resistance thermometer inset

for the installation in fittings according to DIN 43735

Flexible and/or rigid version

with connection socket



Structure of the inset:

According to DIN 43735 for resistance thermometer. Basic values according to DIN EN 60751 in tolerance class B or A. Precision resistor 1x or 2x Pt-100, connected from precision resistor in 2-, 3- or 4 wire circuit.

In rigid version extended with Ni-Cu-sheathed wire in ceramic insulation rod and protective tube, 6.0 or 8.0mm of stainless steel.

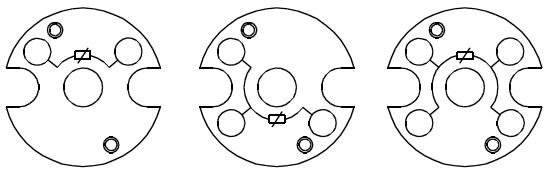
In flexible version with mineral insulated sheathed cable, highly compressed MgO powder, internal wiring made of Cu alloy and exterior protection sheath of material 1.4541. Terminated with shelf plate and installed connection plug-in socket.

(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 pipe for temperatures up to 800°C; Additional type specification "HT". Precision resistor is insulated with a ceramic powder and sealed airtight.
In flexible version up to 600°C as standard, over that with mineral insulated sheath cable of Inconel material and internal nickel leads for temperatures up to 800°C. Precision resistor is insulated with ceramic powder and vibrated and sealed airtight.
Even shockproof and high vibration resistant versions can be delivered; additional type specification "E". For pressure resistant and stable flow versions, refer to the worksheet or ask our technical customer service.

Types of wiring:



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

Areas of application:

Spare part requirements for fittings
Laboratory use
Consignment warehouse
General warehouse requirement

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

Resistance thermometer inset

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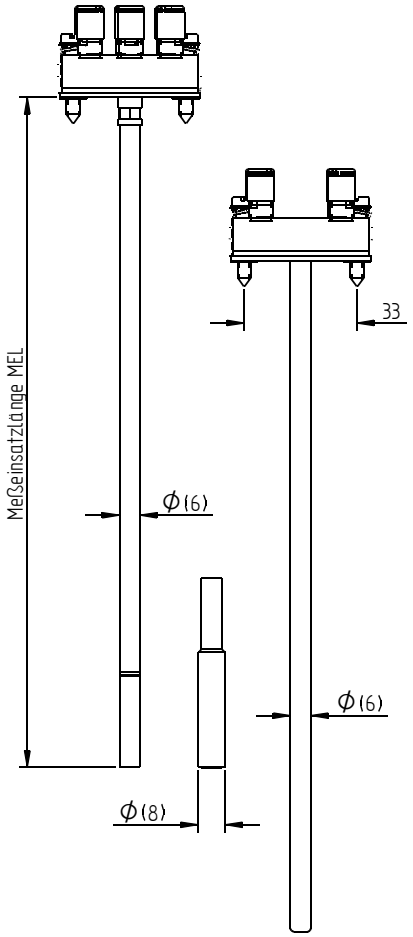

Design:
rigid (pipe) |☺|
flexible (sheathed cable) |☺|

Material:
1.4301 (V2A) |☺|
1.4541 for flexible MI |☺|
2.4816 (Inco) I |☺|
Others _____

Pipe diameter D:
(rigid version)
6.0mm |☺|
8.0mm |☺|
others _____

Sheath diameter DMa:
(flexible version)
0.8mm |☺|
1.0mm |☺|
2.0mm |☺|
3.0mm |☺|
4.5mm |☺|
6.0mm |☺|
Others _____

inset lengths MEL:
275mm |☺|
315mm |☺|
375mm |☺|
405mm |☺|
555mm |☺|
735mm |☺|
1025mm |☺|
1425mm |☺|
others _____

with stepped sheath:
(protective sleeve / sheath cable)
1.0 / 0.8mm |☺|
1.3 / 1.0mm |☺|
1.6 / 1.3mm |☺|
2.5 / 1.6mm |☺|
3.5 / 3.0mm |☺|
4.0 / 3.0mm |☺|
5.0 / 4.0mm |☺|
others _____

Temperature load: Measurement point: from| | to | | °C Environment/plug-in socket: | ☺ | °C

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

Sensor element:

Pt-100	single |☺|	dual |☺|
Pt-1000	single |☺|	dual |☺|
Ni-100	single |☺|	dual |☺|
Ni-1000	single |☺|	dual |☺|

others |_____|

Tolerance class
Class "B" |☺| Class "A" |☺|
"1/3 DIN B" |☺| "1/5 DIN B" |☺| "1/10 DIN B" |☺|
Others |_____|

Additional specification/ Remarks:

Company :|_____|
Contact person :|_____|
Street/Place :|_____|
Email address :|_____|

Your Ref. :|_____|
Quantity :|_____|
Del. time :|_____|
Telephone :|_____|

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