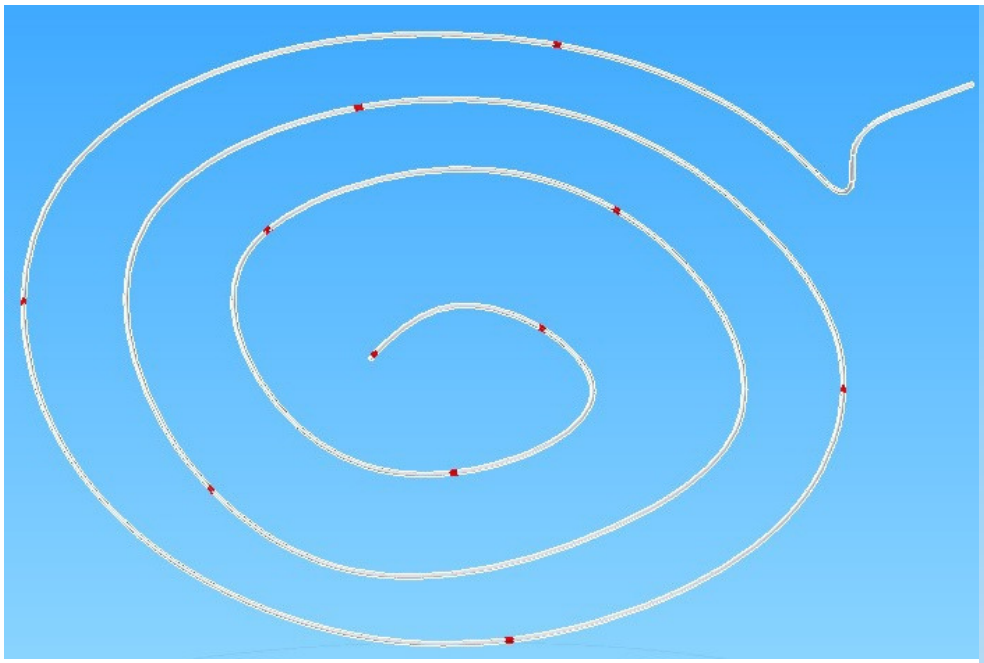
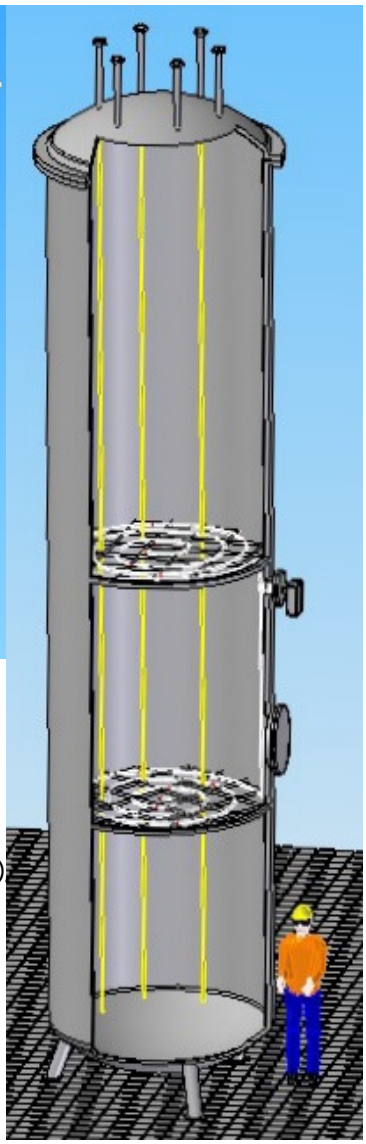
Multipoint thermocouple

Type “T-Ma 950 Hka 10x”

Mineral insulated version - flexible





Sample Structure:

Thermocouple 10*NiCr-Ni, Type "K", Basic values according to DIN EN 60584, Tolerance class 1, built as mineral insulated sheathed cable with a diameter Dma=9.5 mm made of 2.4816 (Inconel 600), with a wall thickness of min. 12% of the diameter. Total length GL=9580 mm, measurement points marked on the sheathed cable;
Extension with connected individual strands 0.5 qmm (AWG 20), Teflon insulated,
Strand length KL=250 mm, Colour code of strands according to DIN IEC (green + / white -)
The measurement points are marked using numbered shrink tubing,
T.max.= 1200 degree C.

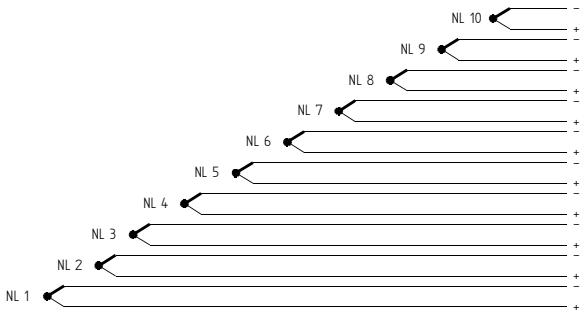
Special features: Cable transition sleeve with the same diameter as the Multipoint.
All thermocouple junctions are hot junction insulated.
T.max. at cable output 250°C.
Design for Pressure rating PN40.
Position of the measurement points can be freely selected

(For variants please refer to the worksheet).

Design of the thermocouples:

Max. temperatures according to DIN for element type:
NiCr-Ni, Type “K”1200°C; iCrSi-NiSi, Type “N” 1200°C

Wiring:



The advantages are:

Considerable time and cost savings during transport and installation of the Multipoint, because, for instance, it can be wound into a ring for shipping.

- flexible to lay
- faster response time
- lower mechanical susceptibility

Areas of application:

Petrochemicals: In catalyst filling
Distillation columns
Foundry technology: for die measurement

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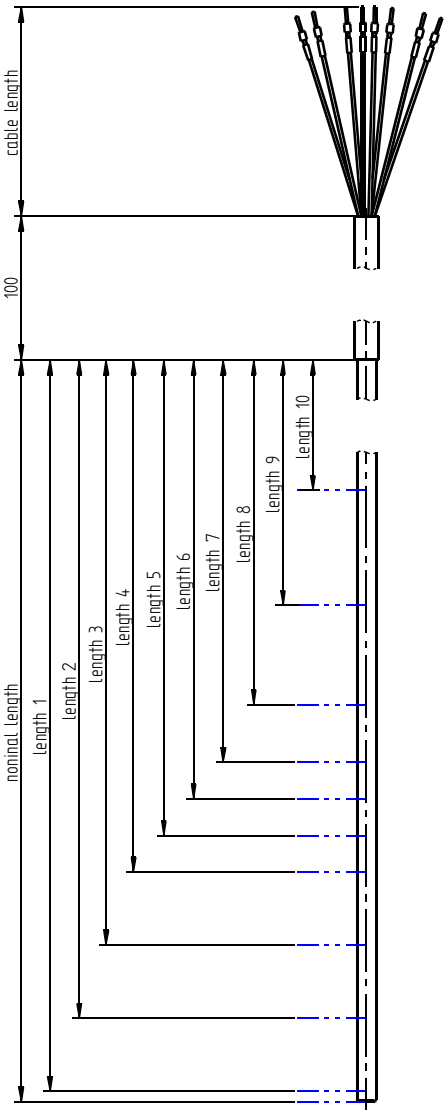
Mineral insulated version - flexible



Mark with a cross where applicable

real measuring point

Ø [mm]	no. of measuring points 1	2	3	4	5	6	7	8	9	10	max. NL [mm]
2				-	-	-	-	-	-	-	7000
3						-	-	-	-	-	12000
5,5						-	-	-	-	-	12000
6											12000
8											12000
9,5											12000
12,7											12000

one central wire

Ø [mm]	no. of measuring points 1	2	3	4	5	6	7	8	9	10	max. NL [mm]
2						-	-	-	-	-	7000
3											12000
5,5											12000
6											12000
8											12000
9,5											12000
12,7											12000

Ø [mm]	no. of measuring points 11	12	13	14	15	16	17	18	19	20	max. NL [mm]
2	-	-	-	-	-	-	-	-	-	-	7000
3	-	-	-	-	-	-	-	-	-	-	12000
5,5	-	-	-	-	-	-	-	-	-	-	12000
6											12000
8											12000
9,5											12000
12,7											12000

material:
1.4541 (V2A) ☐
1.4741 (V4A) ☐
2.4816 (Inco600) ☐
other: _____

other no. of measuring points :_____

other Ø [mm]: _____

L1 = _____mm
L2 = _____mm
L3 = _____mm
L4 = _____mm
L5 = _____mm
L6 = _____mm
L7 = _____mm
L8 = _____mm
L9 = _____mm
L10 = _____mm
L11 = _____mm
L12 = _____mm
L13 = _____mm
L14 = _____mm
L15 = _____mm
L16 = _____mm
L17 = _____mm
L18 = _____mm
L19 = _____mm
L20 = _____mm
L21 = _____mm

NL = _____mm

connection cable:
PTFE/wire/PTFE ☐
single wires PTFE ☐
other:_____
lenght:_____mm

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

Thermocouple:
NiCr-Ni “K” | |
NiCrSi-NiSi “N” | |

Certificates:
Material certificate 3.1 | |
Test calibration certificate | |
Others _____

Additional specification/ Remarks:

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

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