

Sheathed resistance thermometer with cable

Type "W-Ma 1515 (30,45,60,80) HKa"



Flexible version with
connected extension cable

Structure:

Basic values according to DIN EN 60751 in tolerance class B or A. Precision resistor 1x or 2x Pt-100 (Pt-1000), connected from precision resistor in 2-, 3- or 4-wire circuit, extended with flexible, mineral insulated sheathed cable, highly compressed MgO-powder, internal wiring made of Cu alloy and exterior protection sheath of material 1.4541. (For variants please refer to the worksheet).

Sheath material in case of temperature:
up to 500°C made of stainless steel;
up to 800°C made of Inconel

Subsequent cable transition sleeve made of brass or stainless steel, extension cable 2 or 4x0.22qmm cross-section, insulated individually and together with silicone, cable lengths can be selected individually.

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

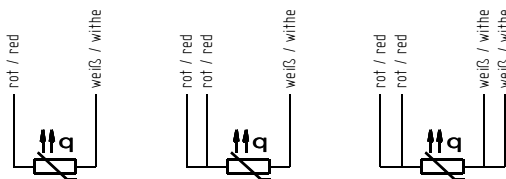
(For variants please refer to the worksheet).

Design of resistance thermometer:

In flexible version up to 600°C as standard, over that with mineral insulated sheathed 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 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

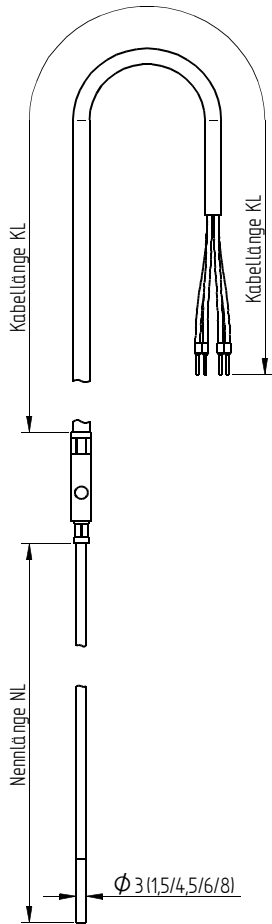
Areas of application:

Spare part requirements for fittings
Laboratory use
Consignment warehouse
General warehouse requirement
At locations that are difficult to access
For measurements in gases,
steams, fluids

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Sheath diameter DMA:

- 0.8mm
- 1.0mm
- 2.0mm
- 3.0mm
- 4.5mm
- 6.0mm
- Others _____

Sheath material:

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

Nominal length NL:

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

Connection cable:

- | | | | |
|-------------------|--|--|---|
| Isolation | PVC <input type="checkbox"/> | Silicone <input type="checkbox"/> | Teflon <input type="checkbox"/> |
| Shielding/Plating | | Yes <input type="checkbox"/> | No <input type="checkbox"/> |
| Cross-section | 0.22mm ² <input type="checkbox"/> | 0.75mm ² <input type="checkbox"/> | 0.5mm ² <input type="checkbox"/> |
| | | | 1.5mm ² <input type="checkbox"/> |

- Cable ends tin plated
- Cable end sleeves
- Others _____

Cable length:

- KL=500mm
- KL=1000mm
- KL=1500mm
- Others _____

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

Sensor element:

- | | | |
|---------|---------------------------------|-------------------------------|
| Pt-100 | single <input type="checkbox"/> | dual <input type="checkbox"/> |
| Pt-1000 | single <input type="checkbox"/> | dual <input type="checkbox"/> |
| Ni-100 | single <input type="checkbox"/> | dual <input type="checkbox"/> |
| Ni-1000 | single <input type="checkbox"/> | dual <input type="checkbox"/> |
| Others | _____ | |

Additional specification/ Remarks:

Tolerance class

- Class "B"
- Class "A"
- "1/3 DIN B"
- "1/5 DIN B"
- "1/10 DIN B"
- others _____

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