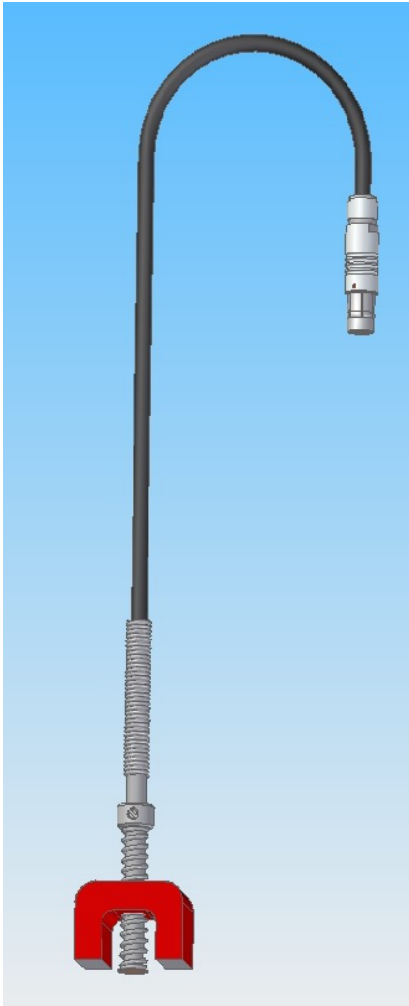


Magnet surface resistance thermometer with cable

Type "W-Cu 80 Mag FeKa (S)"

Version with surface compression springs and connected compensation cable



Structure:

Precision resistor, Type Pt-100 (Pt-1000) according to IEC 60751 in Tolerance class B or A, connected in 2-, 3- or 4-wire circuit from precision resistor, installed in a metal protection sleeve made of stainless steel material of diameter 5 mm and lengths between 45 and 60 mm, the precision resistor is contacted on a thermal absorption sheet (disc) approx. 8 mm in diameter and made of copper, for better thermal coupling.

Measurement tip is spring-mounted and can be adjusted using the adjusting ring, the entire spring device is placed in a powerful U magnet with 9 kg traction with the dimensions $W \times L \times H = 30 \times 20 \times 20$ mm and a leg width of 7.5 mm, connected anti-kink spring with a length of 40 mm, subsequent connection cable 4*0.22 qmm cross-section, insulated individually and together with silicone, cable lengths can be selected individually.

The connection cable can be fitted at the cable end with a Lemos-plug (coupling) or other connecting plugs; Additional type specification (S).

(For variants please refer to the worksheet).

Design of the thermocouples:

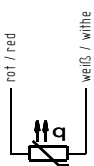
Max. temperatures according to DIN for materials:

Silicone cable 180°C
Teflon cable 240°C
Glass silk cable 400°C

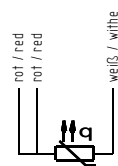
U-Magnet 300°C
(due to loss of holding power under increased temperature influence)

Pressures, temperatures and flow speeds should be taken into account as per DIN or information in the technical data sheets. The element is welded to the ground or contacted with the ground for quick response behaviour. Please ask our technical customer service for special versions.

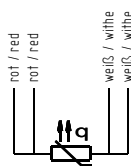
Type of wiring:



Pt-100 2-lead



Pt-100 3-lead



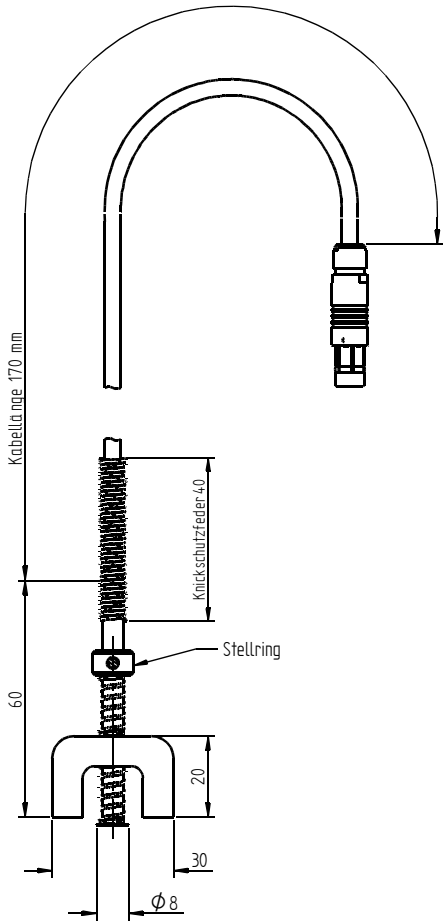
Pt-100 4-lead

Areas of application:

Surfaces in laboratories,
Pilot plants,
for applications under atmospheric pressure
for experimental measurements

Magnet surface resistance thermometer with cable
Type "W-Cu 80 Mag FeKa (S)"

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Insulation Silicone |☉| Shielded Yes |☉|
 Teflon |☉| No |☉|
 Glass silk |☉|

Cable ends tin plated |☉|
 Cable end sleeves |☉|
 others _____

Cable length:

KL=170mm |☉| KL=500mm |☉| KL=1000mm |☉|
 others _____

Plug-in connection with Lemosa plug:

Size 0 |☉| 1 |☉|
 Number of pins 2 |☉| 4 |☉|
 Contacts gold-plated |☉|
 made of element material |☉|
 Other plug-in connection _____

Pin assignment:

Lemosa plug |☉|
 Lemosa coupling |☉|
 Protection rating IP68 (otherwise IP 54) |☉|

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

Sensor element:

Pt-100 single |☉| dual |☉|
 Pt-1000 single |☉| dual |☉|
 Ni-100 single |☉| dual |☉|
 Ni-1000 single |☉| dual |☉|
 Other _____

Additional specification/ Remarks:

Tolerance class

Class "A" |☉| Class "B" |☉| Others _____

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