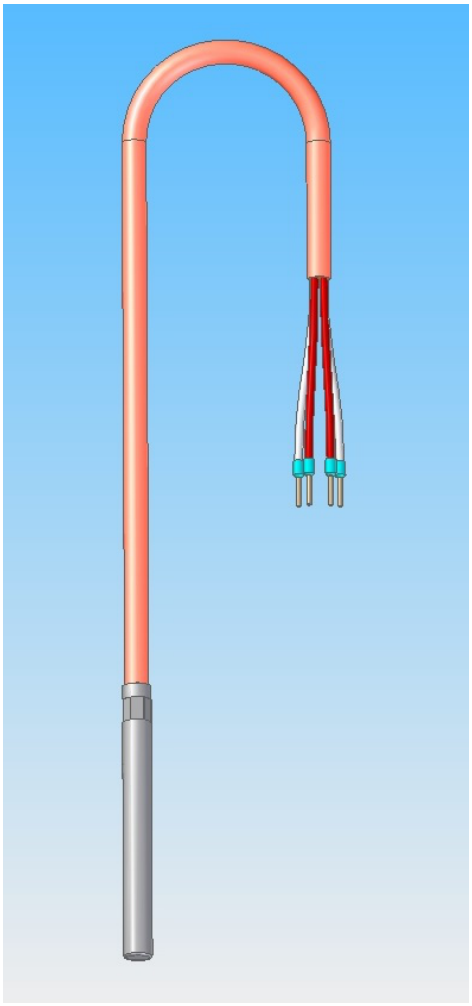
Standard cable resistance thermometer:

“W-M 50/60 Ka”

Design with metal protection sleeve

and fixed cable connection



Structure:
Precision resistor single or dual, Type Pt-100
as per IEC 60751 in Tolerance class B or A.
Connected in 2-, 3- or 4-wire circuit from
precision resistor, fit in a metal protection sleeve
made of stainless steel material 5 or 6 mm diameter
and lengths between 36 and 60 mm
For better thermal coupling, the precision resistors are
covered with heat conducting paste.

Extended with plastic or silicone insulated cable;
Cable length can be selected individually, cable ends
with 50 mm stripping and ready-made cable end
sleeves, optionally tin plated strands.

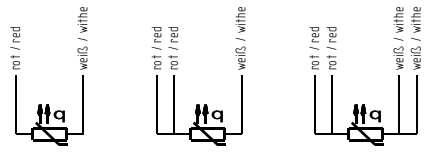
(For variants please refer to the worksheet).

Design of cable resistance thermometer:
Max. temperatures according to DIN for materials:

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

Pressures, temperatures and flow speeds should be taken into account as per DIN or information in the technical data sheets.

Types of wiring:



Areas of application:

Laboratories
Pilot plants
at locations that are difficult to access
for applications, under atmospheric pressure
for experimental measurements
for ground, morass and water measurements

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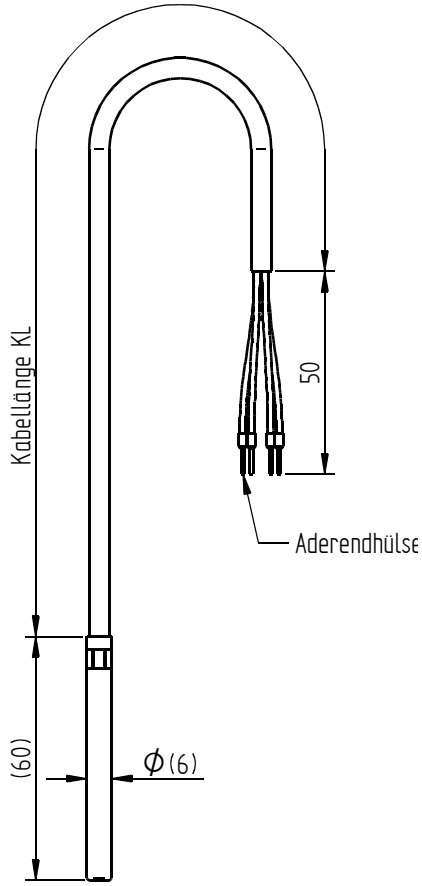
Standard cable resistance thermometer:

"W-M 50/60 Ka"

Design with metal protection sleeve
and fixed cable connection

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



Protective tube diameter D:

4.7 x 45mm |☺|
4.9 x 30mm |☺|
5.0 x 36mm |☺|
5.9 x 45mm |☺|
6.0 x 60mm |☺|
Others _____

Protective tube material:

1.4571 (V4A) |☺|
others _____

Protection class:

IP 54 |☺|
IP 65 |☺|
IP 68 |☺|
Others _____

Response behaviour:

normal |☺|
quick |☺|

Connection cable insulation:

PVC |☺| Silicone |☺| Teflon |☺|

Shielding/Plating Yes |☺| No |☺|
Cross-section 0.22mm² |☺| 0.5mm² |☺|
0.75mm² |☺| 1.5mm² |☺|
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/Connector head: | | °C

Nominal length = Protection sleeve length + Cable length

Sensor element:

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

Tolerance class

Class "A" |☺| Class "B" |☺|
others |_____|

Additional specification/ Remarks:

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

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