

# Resistance thermometer Type 140 and Type 14

temperature range up to 80°C

Certified by : GL , LR

The type **TKb140** according to drawing H822-140 is specially developed with a connection box made of Polyamide and a cable gland PG11. The protection tube is made of stainless steel No. 1.4541 / 1.4571. Protection category IP 65.

It is possible to insert a transducer 4...20 mA.

Response time: in water  $t_{0,5} = 7,7 \text{ s}$   $t_{0,9} = 23,5 \text{ s}$

The type **TKh 14** according to drawing H 820 - 14 is completely made of brass.

Protection category IP 56.

Response time: in water  $t_{0,5} = 5,0 \text{ s}$   $t_{0,9} = 13,3 \text{ s}$

Standard version of both types resistor element is Pt100, tolerance class B or AA according to DIN EN 60751, measuring range -50...+80°C.

It is possible to insert twin resistor elements or other common resistor elements.

Vibration test: 8g

## Light construction

Type TKb 140	
Pt 100 2-wire technology	Pt100 3-wire technology
<b>Class B</b>	<b>Class B</b>
<b>Article - No</b>	<b>Article - No</b>
TF140.009	TF140.003
Type TKbP0-140	Type TKbPv0-140

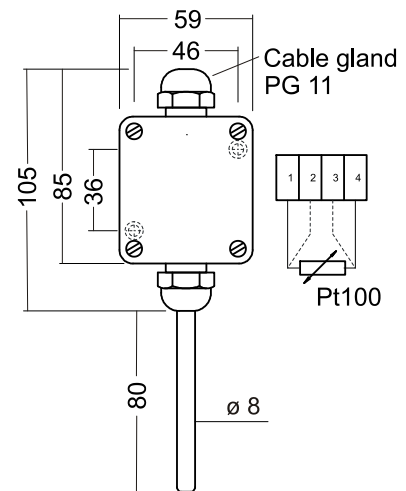
Pt100 4-wire technology	
<b>Class B</b>	<b>Class AA</b>
<b>Article - No</b>	<b>Article - No</b>
TF140.004	TF140.007
Type TKbPz0-140	Type TKbPz0/3-140

## Heavy duty construction

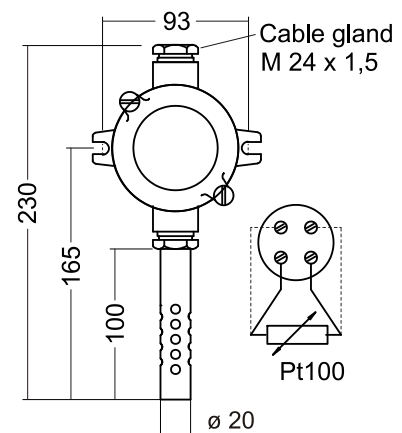
Type TKh 14	
Pt100 2-wire technology	Pt 100 4-wire technology
<b>Class B</b>	<b>Class B</b>
<b>Article - No</b>	<b>Article - No</b>
TF014.002	TF014.005
Type TKhP0-14	Type TKhPz0-14

Pt100 3-wire technology	
<b>Class AA</b>	<b>Class AA</b>
<b>Article - No</b>	<b>Article - No</b>
TF014.006	TF014.001
Type TKhPv0/3-14	Type TKhPz0/3-14

TKb 140



TKh 14



These designs are available also with other usual laboratory resistors e.g. Pt1000 or Ni100.



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