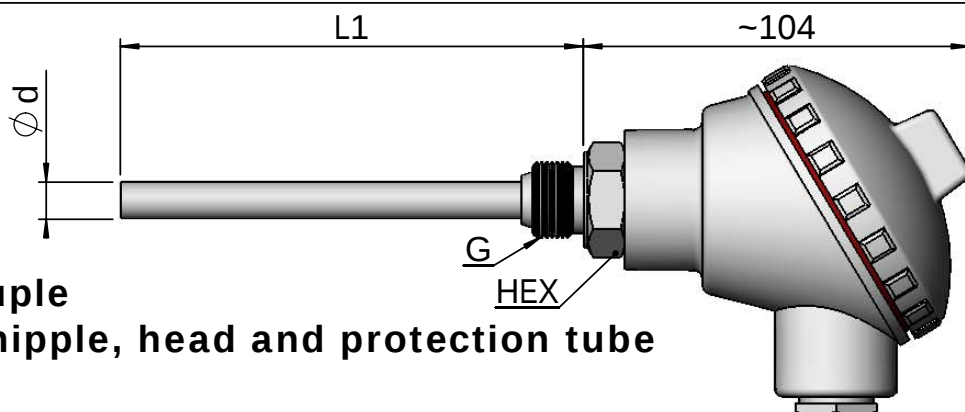




Thermocouple Threaded nipple, head and protection tube

Modell 8109100, built on order

Design

Replaceable thermocouple probe in housing with outer protection tube, terminal head and threaded process connection.

Example of use

Measurements of temperature of gases and liquids in tubes and tanks.

Maximum temperature

Probe: The maximum temperature is limited by the insertion probe or the protection tube of the housing depending of the selected combination.

Type	Max temperature
K	1200 °C
N	1200 °C
J	760 °C
T	370 °C

Protection tube	Max temperature
1.4404 alt 1.4435	800 °C
	1050 °C
Kanthal	1200 °C

Insertion probe, replaceable (model 8104000) IEC 60584-2 class 1

Type	Metal sheath
K	Inconel 600
N	Inconel 600
J	Acid-proof stainless steel
T	Acid-proof stainless steel

Measuring junction
Grounded
Isolated

Diameter Ød (mm)
3,0
4,5
6,0

Note

Working temperature, environment and diameter of probe influence lifetime of the sensor. Please contact Pentronic for advice.

Housing

Protection tube diameter Ø d (mm)
10
12
15
15

Material: Stainless steel EN 1.4435 or Kanthal

For other alternatives please contact Pentronic.

Process connection

Thread G	HEX
G ½"	27
G ¾"	32
G 1"	41
M18 x 1,5	24
1/2" NPT	22

Terminal head

Fixedly mounted head
Cable gland M20x1,5.

Type
Screw-on lid
Form B
Hinge lid
Plastic head

For other alternatives please contact Pentronic.

Signal connection

Signal connection
Stripped wires
Transmitter ¹
Terminal block

1) To be specified separately

Certificate

Test value: Certificate EN10204 3.1b

Dimensions

Length L1 as required.