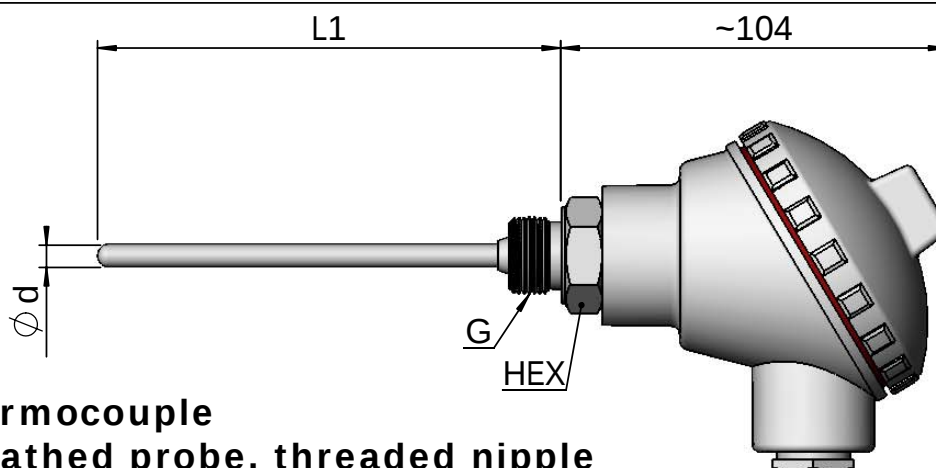




Thermocouple Sheathed probe, threaded nipple and terminal head

Model 8108100, built on order

Design

Mineral oxide insulated metal sheathed probe with threaded nipple close to the head for process connection. Welded and sealed probe. With no welding the probe also can be spring loaded for mounting in thermowells.

Example of use

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

Maximum temperature

Probe:

Type	Max temperature (See note)
K	1200 °C
N	1200 °C
J	760 °C
T	370 °C

Probe

Thermocouple according to 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
Exposed

Diameter Ød(mm)
3.0
4.5
6.0
Other

Process connection

Positioning the probe by using flange or compression fitting. See Process connection in our home page.

Threads G	HEX (mm)
G 1/2"	27
G 3/4"	32
G 1"	41
M18 x 1,5	24
1/2" NPT	22

Terminal head

Cable gland M20x1,5.

Type
Screw-on lid
Form B
Hinge lid
Plastic head
Other

For more 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

Lengths as required.

Note

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