

Thermocouple Metal-sheathed probe with extension cable

Model 8105000, in stock

Construction

Metal-sheathed thermocouple cable (MIMS) with extension cable and transition junction.

Example of use

Temperature measurement in gases and liquids.

Maximum temperature

Probe:

Type	Max. temperature, °C
K	1200
N	1200

Transition junction: 100°C

Extension cable: 200°C

Note

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

Probe

Metal-sheathed cable: SS type Inconel 600.

Wires: IEC 60584-2 class 1

Type: K and N

Measuring junction: Insulated

Signal connection

FEP-insulated cable, type TEX/CUTEXTW-24F AWG 24 (0.20 mm²), with stripped wires.

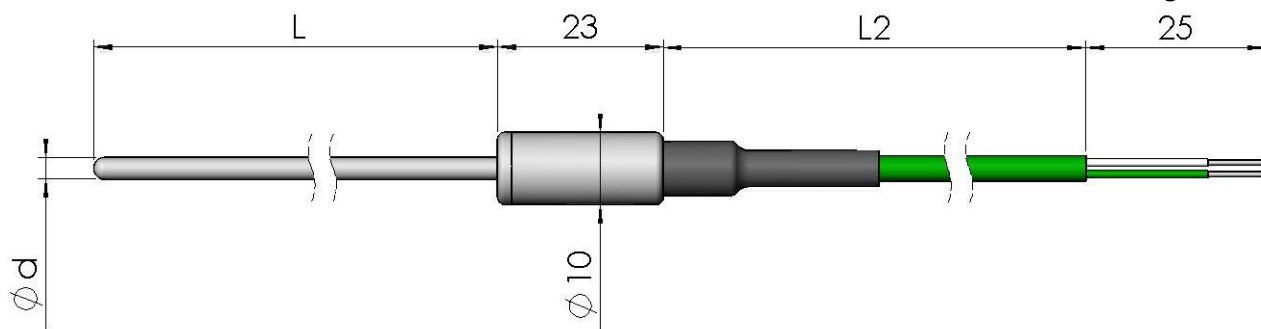
Certificate

Test value: Certificate EN10204 3.1

Part numbers and dimensions

Part number	L1, mm	Ød, mm	Type
20-25150250	250	1.5	K
20-25150500	500	1.5	K
20-25300100	100	3.0	K
20-25300250	250	3.0	K
20-25300500	500	3.0	K
20-25301000	1000	3.0	K

Part number	L1, mm	Ød, mm	Type
20-55150500	500	1.5	N
20-55300500	500	3.0	N



Thermocouple with extension wire

Model 8105000, built on order

Design

Metal sheathed thermocouple (MIMS) with extension wire attached to the probe via a transition junction.

Example of use

Measuring temperature in gases and liquids.

Maximum temperature

Probe:

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

Transition junction: 100 °C

Note

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

Probe thermocouple

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

Probe diameter Ød, mm	
0.5	2.0
0.8	3.0
1.0	4.5
1.5	6.0

Dimensions

Lengths L1 and L2 as required.

Signal connection
Stripped wires
Specify standard connector
Specify miniature connector

Cable design	Max temperature, °C
PVC-insulated	90-105
FEP-insulated	200 °C
Polyimide	260-285 ¹

Note 1) Depending on type.

For other alternatives please contact Pentronic.
Colour code according to IEC 60584-:



Certificate

Test value: Certificate EN10204 3.1

Coiled packaging

MIMS thermocouples longer than approx. 1 metre will be delivered coiled if nothing else is agreed when ordering.

