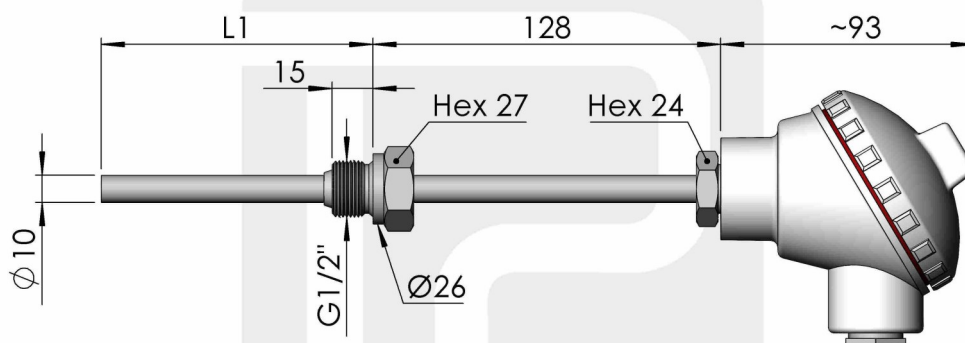
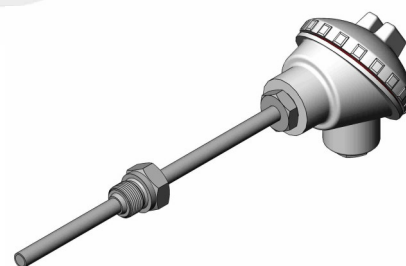




Thermocouple Protection tube “DIN 43772 form 2G”, tall neck and terminal head

Model 8109300, in stock



Construction

Protection tube built as modified DIN 43772 form 2G. Outer protection tube with tall neck and process threads. Replaceable measurement insert.

Example of use

Temperature measurement of gases and liquids in pipes and tanks.

Maximum temperature

Insertion probe: 800°C.

Replaceable insertion probe (model 8104001)

Sheathing material: Inconel 600

IEC 60584-2 class 1

Thermocouple type K

Isolated measuring junction

Diameter 6.0 mm.

Housing

Material outer protection tube: Stainless steel

EN 1.4435

Diameter: 10 mm

Tube tip with bushing suited for 6 mm insertion probe.

Terminal head

Adjustable head with screw-on lid.

Cable gland M20x1.5.

Signal connection

See table below.

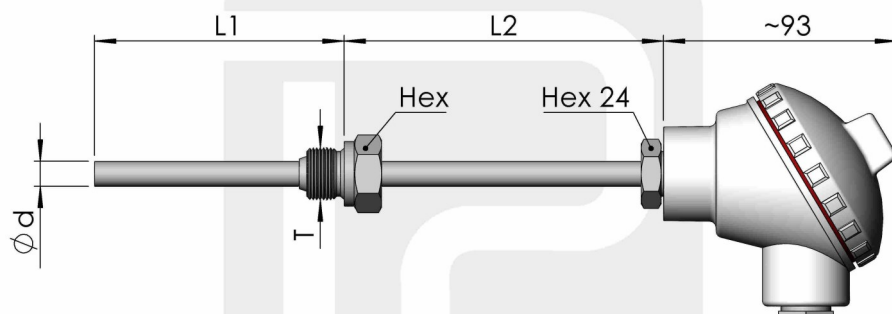
Certificate

Test value: Certificate EN10204 3.1

Dimensions and part numbers

Part number housing with probe	Insertion length L1 (mm)	Signal connection*	Insertion probe length (mm)	Part number insertion probe
8109300-133	160	Stripped wires	315	8104001-217
8109300-132	160	Transmitter	315	8104001-218
8109300-134	160	Terminal block	315	8104001-143
8109300-135	250	Stripped wires	405	8104001-219
8109300-136	250	Transmitter	405	8104001-220
8109300-137	250	Terminal block	405	8104001-139
8109300-138	400	Stripped wires	555	8104001-221
8109300-139	400	Transmitter	555	8104001-222
8109300-140	400	Terminal block	555	8104001-200

*) To be specified separately.



Thermocouple Outer protection tube, neck and terminal head

Model 8109300, built on order

Construction

Housing built with outer protection tube into process medium, neck and process threads. Replaceable probe insert. The measures L1, L2, Δ ed and G can be chosen freely or as per tables.

Example of use

Temperature measurement of gases and liquids in pipes and tanks.

Max. temp.

Probe: Limited by insert probe or protection tube depending on chosen combination.

Type	Max .temp. (°C)	Sheathing material
K	1200	Inconel 600
N	1200	Inconel 600
J	760	Stainless steel acid proof
T	370	Stainless steel acid proof

Protection tube	Max. temp. °C
EN 1.4404 alt. 1.4435	800
Inconel 600	1050
Kanthal	1200

Insert probe, replaceable (model 8104000)

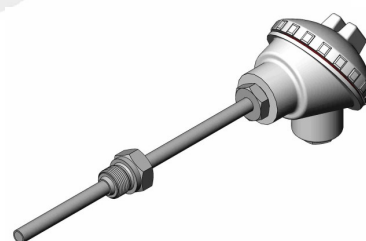
Class: 1 (IEC 60584-2)

Diameter: $\varnothing$ 6 mm

Length = L1+L2+27 mm

Measuring junction	
	Grounded
	Isolated

Housing	
Material	$\varnothing$ d (mm)
1.4404 alt 1.4435	8.0...15.0
Inconel 600	8.0 10.0 12.7
Kanthal	15.0



Process connection	
Thread, 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

Not adjustable

Cable gland M20x1.5.

Type	Lid	Material
DNAG	Screw-on lid	Grey lacquered aluminium
Form B	Lid with two screws	Grey lacquered aluminium
DAN	Hinge lid	Grey lacquered aluminium
BBK	Screw-on lid	Glass armoured Polyamid
SEG	Screw-on lid	Stainless steel

Signal connection	
	Stripped wires
	Transmitter*
	Terminal block

*) Transmitter to be specified separately.

Certificate

Test value: Certificate EN10204 3.1

Model with third party approval

(K 0201230) is available upon request.

Please contact Pentronic for advice.