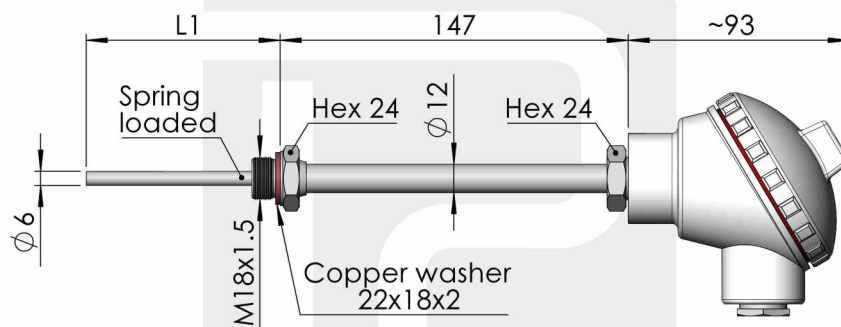
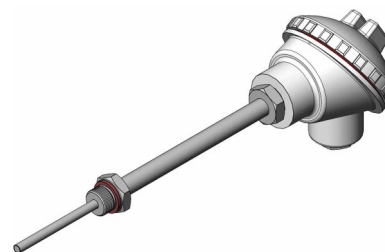




Thermocouple for thermowell DIN 43772 form 4

Model 8108300, in stock



Construction

To be mounted into thermowell DIN 44772 form 4, former standard DIN 43763 form D. Replaceable, spring-loaded insertion probe.

Example of use

Temperature measurement of gases and liquids in processes.

Max. temp.

Insertion probe: Limited by thermowell depending on actual pressure, see model 9055020.

Replaceable insertion probe (model 8104001)

Sheathing: Inconel 600, diameter 6 mm.

Class: 1 (IEC 60584-2), type K

Measuring junction: Isolated

Maximum temperature: 1200°C

Terminal head

Adjustable head with screw-on lid.
Cable gland M20x1.5.

Signal connection

See table below.

Certificate

Test value: Certificate EN10204, 3.1

Accessories

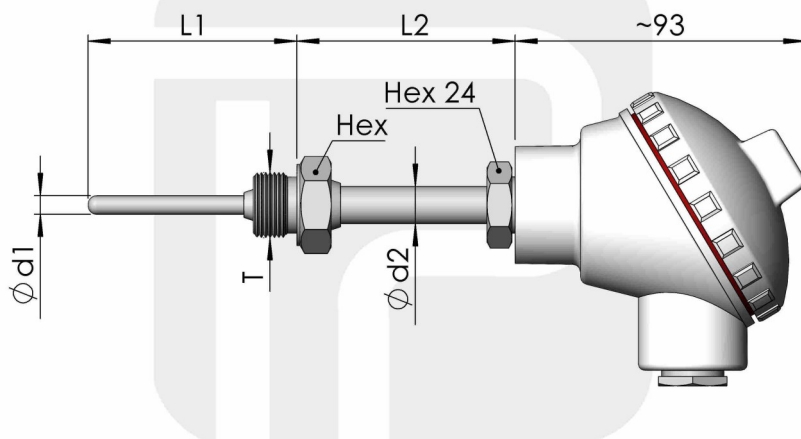
Thermowell model 9055020.

Weld-in boss for thermowell, model 9055040.

Dimensions and part numbers

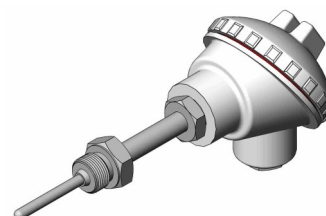
Part number Insertion probe and housing	Form	Insertion length L1 (mm)	Signal connection*	Insertion probe length	Part number Insertion probe
8108300-117	1	140	Flying leads	315	8104001-217
8108300-118	1	140	Transmitter	315	8104001-218
8108300-111	1	140	Terminal block	315	8104001-143
8108300-115	2 & 4	200	Flying leads	375	8104001-146
8108300-116	2 & 4	200	Transmitter	375	8104001-223
8108300-101	2 & 4	200	Terminal block	375	8104001-107
8108300-120	5	260	Flying leads	435	8104001-224
8108300-121	5	260	Transmitter	435	8104001-225
8108300-139	5	260	Terminal block	435	8104001-173

*) To be specified separately.



Thermocouple for different types of thermowells

Model 8108300, built on order



Construction

To be mounted into thermowell. Replaceable, spring-loaded measurement insert. For other alternatives please contact Pentronic.

Example of use

Measuring temperature in gases and liquids of industrial processes.

Max. temp.

Measuring part: Can be limited by the thermowell at actual pressure level.

Type	Max .temp. insert (°C)	Sheathing material
K	1200	Inconel 600
N	1200	Inconel 600
J	760	Acid-proof stainless steel
T	370	Acid-proof stainless steel

Measuring junction	Measuring probe ØD1(mm)
Grounded	3.0
Isolated	4.5
Plint	6.0

Process thread	Hex, mm
G1/2"	27
G3/4"	32
G1"	41
M18x1.5	24
½"NPT	22
M14x1.5	22

Neck diameter ØD2 (mm)

10
12
15

Terminal head

Adjustable. Cable gland M20x1.5

Construction

DIN form B G1/2"
Screw-on lid G1/2"
Hinged lid G1/2"
Plastic sheathing G1/2"
Acid-proof stainless steel G1/2"

Signal connection

Stripped wires
Transmitter*
Terminal block

*) Transmitter to be specified separately.

Certificate

Test results according to EN10204, 3.1

Accessories

Thermo well, see models 9055020 and 9055025.
Weld-in boss for thermowell, see models 9055040 and 9055045.

Probe and neck lengths

L1 and L2 as required.

Please contact Pentronic for advice.