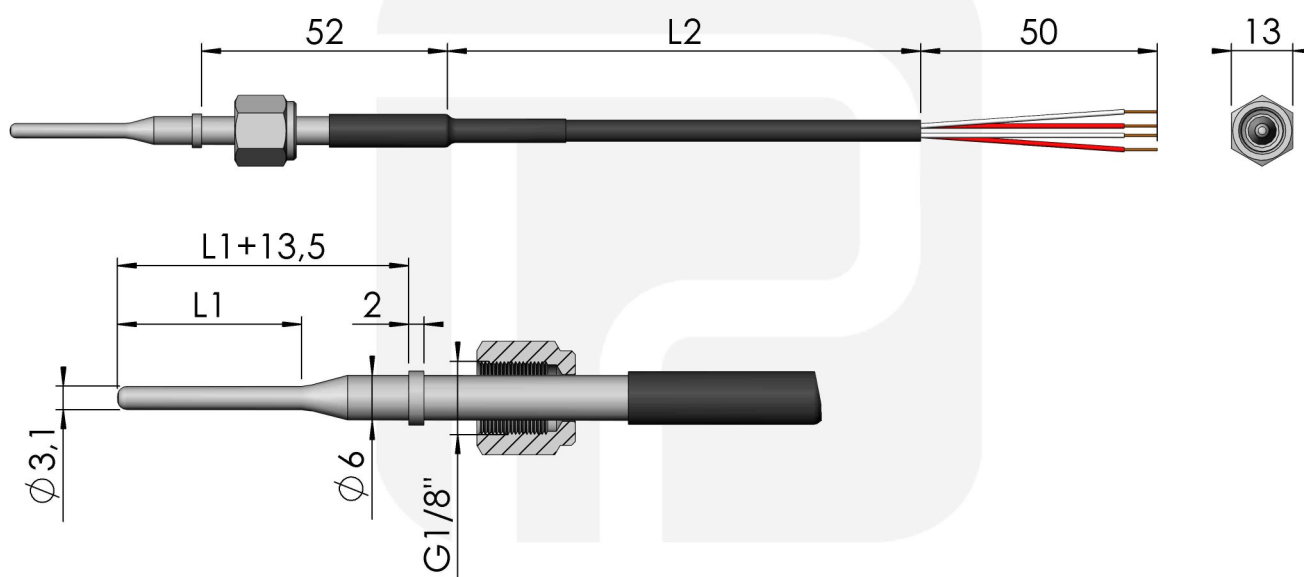




Pt100 sensor Hygienic sensor for weld-in boss or thermowell

Model 7913101 and 7914101, in stock

Design

Pt100 detector mounted into protection tube. Sensor is mounted on weld-in boss or in thermowell. Hygienic design and approvals for sensor and weld-in boss.

Example of use

Temperature measurements in tubes with hygienic requirements, e.g. in food industry.

Max temp.

Probe: 200 °C
Cable: 80 °C

Measuring probe

Pt100 detector: IEC 60751 class A.
Protection tube: Stainless steel 1.4404/1.4432/316L

Process connection

G1/8" for mounting to weld-in boss p/n 9025001 or thermowell, p/n 9026010 and 9026015.
By 3A approved applications the surface finish requirement of weldings is $Ra \leq 0.8$.

Can be mounted in thermowell p/n 9026010 and 9026015 according to 3A 74-07.

Designed for CIP/SIP.
Maximum temperature: 200 °C

Signal connection

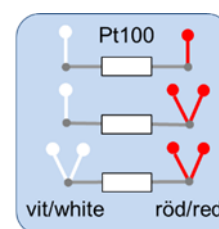
PVC-insulated cable with stripped wires.



Wire type	Cable (mm ²)
4 wire	PFSK 4x0.22
3 wire	PFSK 3x0.5

Colour code cable

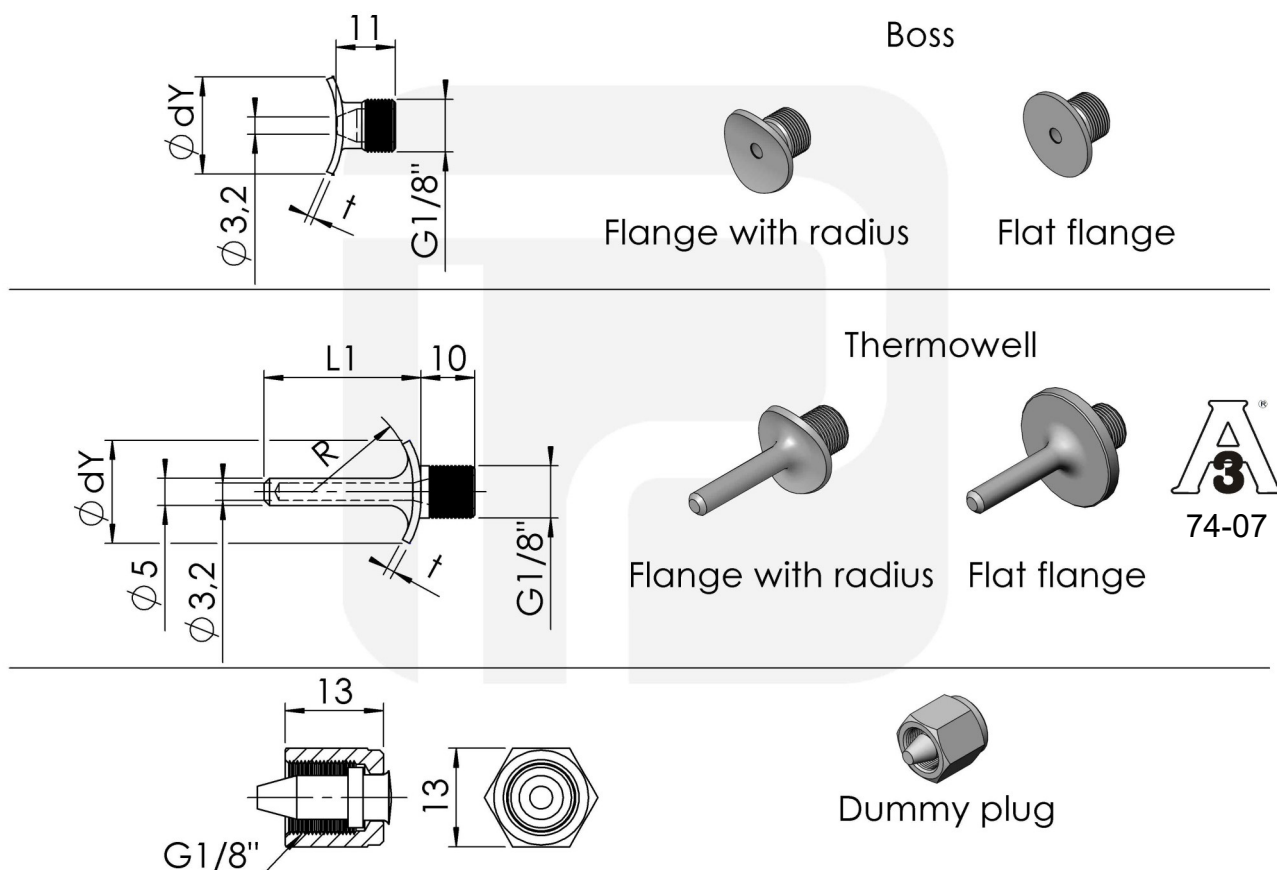
According to IEC 60751:2008



Part No	Connection	Probe L1 mm	L2 m	Wgt kg
7913101-001	3 wire	25	10	0.6
7913101-002	3 wire	25	20	1.2
7914101-001	4 wire	25	10	0.4
7914101-002	4 wire	25	20	0.8
7914101-004	4-wire	15	15	0.6
7914101-005	4-wire	15	10	0.4

Certificate

Test value: Certificate EN10204 3.1



Accessories model 3110, 7913/7914 and 7960

Boss, thermowell and dummy plug for hygienic installation

Model 9025001, 9025010 and 9026010, in stock

Example of use

Installation of hygienic sensors model numbers 3110572/3115075, 7913101/7914101 and 7960000.

Material

Stainless steel 1.4432/316L or equivalent material is used.

Installation to media

Weld-in boss or thermowell. By 3A approved applications the requirement of welding is surface finish $Ra \leq 0.8$.
Insert length = $L1 - t$

3A, 74-07

Weld-in thermo well 9026010 and 9026015

Available marked 3A, 74-07

Designed for CIP/SIP

Maximum temperature: 200 °C

Material: Test certificate as per EN 10204 3.1

For information about EHEDG:

See the page for Quality and sustainability on Pentronic's website www.pentronic.se.

Dimensions ¹ and part numbers						
Part number	Model	L1 mm	Thickness t, mm	Radius R, mm	Outer diam dY, mm	Fits sensor dimensions, mm
9025001-000	Boss		1,25	Flat	18	Ø3,1x15 & Ø3,1x25
9025001-019	Boss		1,25	19	18	Ø3,1x15 & Ø3,1x25
9025001-100	Boss		1,5	Flat	18	Ø3,1x15 & Ø3,1x25
9025001-119	Boss		1,5	19	18	Ø3,1x15 & Ø3,1x25
9025001-200	Boss		2,0	Flat	18	Ø3,1x15 & Ø3,1x25
9025001-219	Boss		2,0	19	18	Ø3,1x15 & Ø3,1x25
9026015-015	Thermowell ²	19	1,25	19	19	Ø3,1x15
9026015-025	Thermowell ²	29	1,25	19	19	Ø3,1x25
9026010-001	Thermowell ²	29	3,0	Flat	25	Ø3,1x25
9025010-000	Dummy plug		-	-	-	-

1) For other dimensions and materials, please contact Pentronic 2) 