

Ex approved Pt100 sensor Ex d for different types of thermowells

Model 7610900, built on order

Design

To be mounted into thermowell e.g. Form4 according to DIN43722. Spring loaded insertion probe.

Certified types

7612EX(2-wire), 7613EX (3-wire), 7614EX (4-wire)

Example of use

Industrial temperature measurements of gases and liquids in pipes and tanks.

Max. temp.

L1: 600°C (6 mm), 450°C (3 mm)

Material

EN 1.4435 or similar.

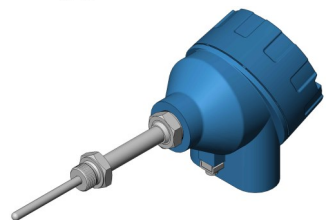
Lengths

L1 and L2, specified by customer.

Pt100 resistor (IEC 60751)	
	Pt100 Class A
	Pt100 1/3 DIN
	Pt100 1/5 DIN

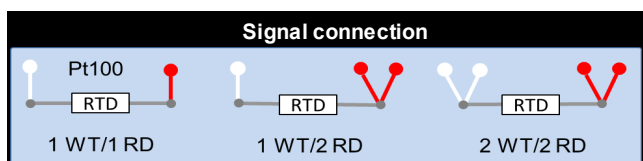
Insertion probe	
Ø d	Material
3mm	EN 1.4435 or similar
6 mm	EN 1.4435 or similar

Process connection	
Thread, G	Hex size (mm)
G 1/2"	27
G 3/4"	32
G 1"	41
M14 x 1.5	22
M18 x 1.5	24
1/2" NPT	22



Terminal head	
Type	Material
XD-SD Ex d	Stainless steel
XD-AD Ex d	Aluminium

Adjustable terminal head, cable gland M20x1,5. IP code: IP68



Connection options	
	Transmitter
	Terminal block

Approved temperature transmitters

PR 5331A, PR 5331D, PR 5332A, PR 5332D, PR 5333A, PR 5333D, PR 5335A, PR 5335D, PR 5337A, PR 5337D, PR 5350A, PR 5350B, PR 5437A, PR 5437D.

Made by PR electronics A/S

Certificate

Sensor output signal: Certificate as per EN10204 3.1

Above device is in conformity with the ATEX Directive 2014/34/EU.

Pentronic AB have been quality assessed and certified by Eurofins Expert Services Oy/Finland, notified body 0537.

Ex mar king: II 2G Ex db eb IIC T6/T5 Gb

IECEx marking: Ex db eb IIC T6/T5 Gb

EU-Type Examination Certificate: EESF 19 ATEX 027X Issue 1

(EN 60079-0:2018, EN 60079-1:2014, EN 60079-7:2015/A1:2018)

IECEx Certificate of Conformity: IECEx EESF 19.0009X Issue 1

(IEC 60079-0:2017, IEC 60079-1:2014-06, IEC 60079-7:2017)

Accessories

Thermowell Form4, see models 9055020 and 9055025.

Weld-in boss for thermowell, see model 9055040 and 9055045.