

Ex approved Pt100 sensor Ex d Protective tube, mounting thread and terminal head

Model 7810900, built on order

Design

Outer protective tube with neck and welded mounting thread.
Pt100 insertion probe.

Certified types

7812EX(2-wire), 7813EX (3-wire), 7814EX (4-wire)

Example of use

Industrial temperature measurements of gases and liquids.

Max. temp.

L1: 600 °C

Lengths

L1 and L2, specified by customer.

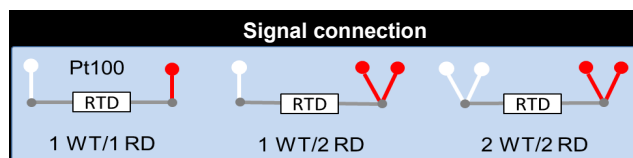
Pt100 resistor (IEC 60751)	
	Pt100 Class A
	Pt100 1/3 DIN
	Pt100 1/5 DIN

Protection tube	
Ø d1	Material
10 mm	EN 1.4435 or similar
12 mm	EN 1.4435 or similar

Process connection	
Thread, G	Hex size (mm)
G 1/2"	27
G 3/4"	32
G 1"	41
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 marking: 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)