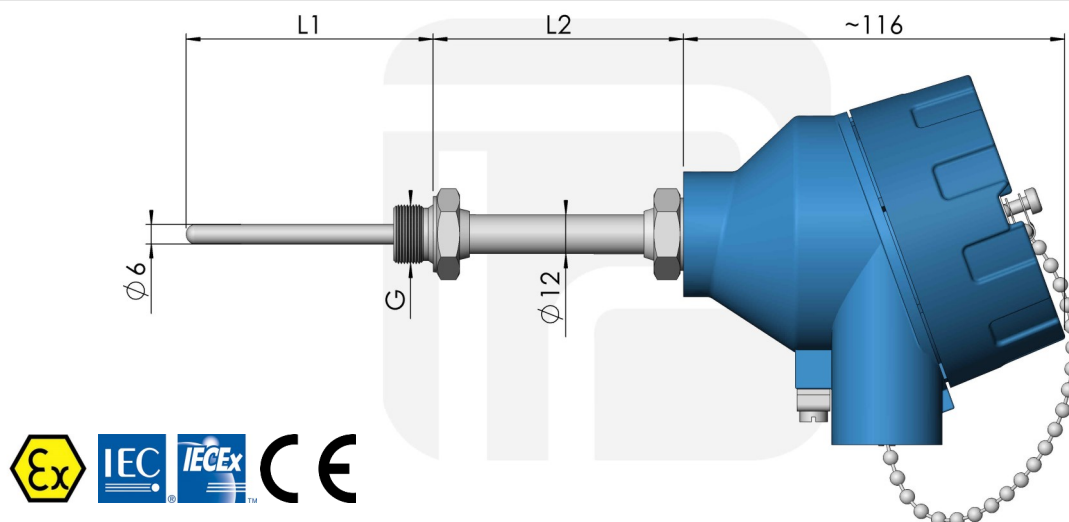




Ex approved thermocouple sensor Ex d for different types of thermowells

Model 8108390, built on order

Design

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

Certified type

083EX

Example of use

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

Max. temp.

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

Lengths

L1 and L2, specified by customer.

Material

L2: EN 1.4435 or similar.

Measuring probe diameter

6.0 mm

Measuring junction

Insulated

*) Max 1000°C within Ex approval

Type	Max. temp insert, °C	Sheathing material
K	1000*	Inconel 600
N	1000*	
J	760	Acid-proof stainless steel
T	370	

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 5334A, PR 5334B,
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)

Accessories

Thermowell Form4, see models 9055020.

Weld-in boss for thermowell, see model 9055040.