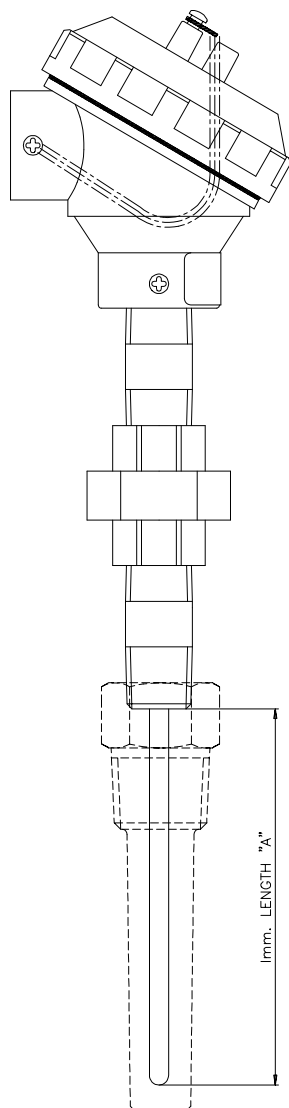


EXPLOSION PROOF IEC

Industrial temperature sensors Ex nA



Specifications:

Series :XPS-40.000

CONNECTION HEAD

Type :weatherproof with screw on cover
 Material :cast-aluminium or cast-iron
 Conduit entry thread :3/4" NPT standard; if 1/2" NPT, BSP, or metric thread, please specify

EXTENSION

Type :nipple-union-nipple
 Material : Stainless steel
 Length :approx. 160 mm; other lengths optional
 Process connection :1/2" NPT, male thread

INSERT

Type :approved thermocouple or resistance insert A/104r
 Insertion length below nipple :to be specified; replace box behind ordering code
 Insert length :A + 216 mm

THERMOWELL

Type :any type of thermowell to be specified

APPROVAL

Classification : Ex nA IIC T6...T1
 Certificate number :IECEX DEK 11.0002X
 Protection category :'nA' increased safety,
 Explosion group :II
 Temperature class :T6-T1
 Applicable standards IEC 60079-15:2010
 IEC 60079-0:2011
 Also available in CSA/us,ATEX,TR CU and KTL

The cable gland shall be a certified model and is not part of the approval

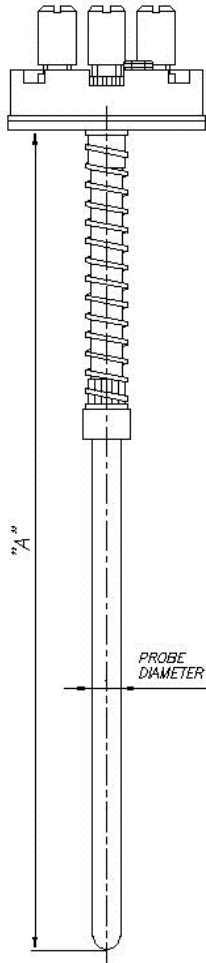
Ordering code:

Probe type	CAST-ALUMINIUM HEAD				CAST- IRON HEAD			
	Single		Duplex		Single		Duplex	
J 4,8 mm	XPS-45101-	J -□ mm	XPS-46101-	J -□ mm	XPS-45201-	J -□ mm	XPS-46201-	J -□ mm
K 4,8 mm	XPS-45101-	K -□ mm	XPS-46101-	K -□ mm	XPS-45201-	K -□ mm	XPS-46201-	K -□ mm
T 4,8 mm	XPS-45101-	T -□ mm	XPS-46101-	T -□ mm	XPS-45201-	T -□ mm	XPS-46201-	T -□ mm
N 4,8 mm	XPS-45101-	N -□ mm	XPS-46101-	N -□ mm	XPS-45201-	N -□ mm	XPS-46201-	N -□ mm
Pt 100 6,0 mm	XPS-45101-	Pt100-□ mm	XPS-46101-	Pt100-□ mm	XPS-45201-	Pt100-□ mm	XPS-46201-	Pt100-□ mm

□ = immersion length 'A' in mm (to be specified)

MI-CABLE TC / Pt100 INSERTS

for Thermo Electric Ex nA approved sensors IEC



Specifications:

Probe type	: mineral insulated
Outside diameter	: 4,8 mm (3/16")
Insulation material	: densely packed MgO
Min. insulation resistance	: 10 Mohm at ambient temperature with 200 V DC
Termination	: ceramic DIN terminal block with clamp type terminals
Max. spring loading	: 50 mm
Probe length 'A'	: to be specified

THERMOCOUPLE

Type	: iron-constantan, type J chromel-alumel, type K copper-constantan, type T nicrosil-nisil, type N
Standard limits of error	: ANSI MC 96.1 / IEC 60584
Sheath material	: SS 316 for type J and T (Wstrn.1.4401); Inconel 600 for type K,N (Wstrn.2.4816)
Hot junction	: insulated, individually insulated for duplex
Probe diameter	: 4,8 mm or 6,0mm please specify

RESISTANCE THERMOMETER

Element type	: Pt 100, single or duplex
Resistance values and tolerances	: IEC 60751 class B (or any other type)
Max. voltage	: 5 V (10 mA)
Wiring system	: 3 wires from element
Probe diameter	: 6 mm

These items fit standard Ex nA temperature sensors series XPS-40.000

Ordering code:

Probe type

J	4,8 mm
K	4,8 mm
T	4,8mm
N	4,8 mm
Pt 100	6,0 mm

Single

	'A'
TEE-50482-	J -□ mm
TEE-50482-	K -□ mm
TEE-50482-	T -□ mm
TEE-50482-	N -□ mm
RTD-50603-	Pt100 -□ mm

Duplex

	'A'
TEE-52484-	J -□ mm
TEE-52484-	K -□ mm
TEE-52484-	T -□ mm
TEE-52484-	N -□ mm
RTD-52606-	Pt100 -□ mm

□ = probe length 'A' in mm (to be specified)