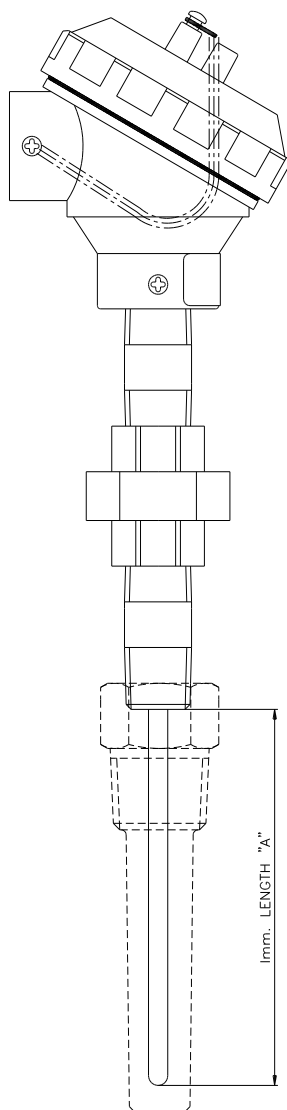


EXPLOSION PROOF KTL

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 : EXnA II T6...T1
 Certificate number : 12-KB4BO-0042X
 Protection category : 'nA' increased safety,
 Explosion group :II
 Temperature class :T6-T1
 Applicable standards 2010-36

Also available in CSA/us,ATEX,TR CU and IEC

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

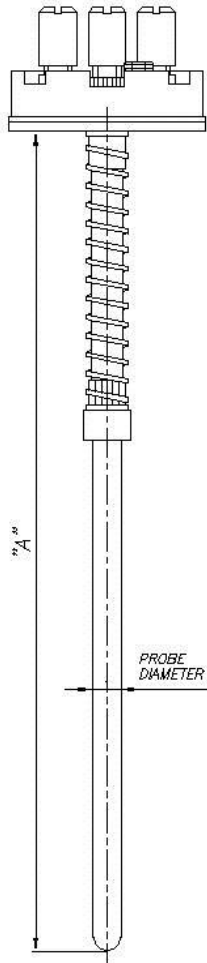
Ordering code:

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 KTL



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	Single		Duplex	
		'A'		'A'
J	4,8 mm	TEE-50482- J -□ mm	TEE-52484- J	□ mm
K	4,8 mm	TEE-50482- K -□ mm	TEE-52484- K	□ mm
T	4,8mm	TEE-50482- T -□ mm	TEE-52484- T	□ mm
N	4,8 mm	TEE-50482- N -□ mm	TEE-52484- N	□ mm
Pt 100	6,0 mm	RTD-50603- Pt100 -□ mm	RTD-52606- Pt100	□ mm

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