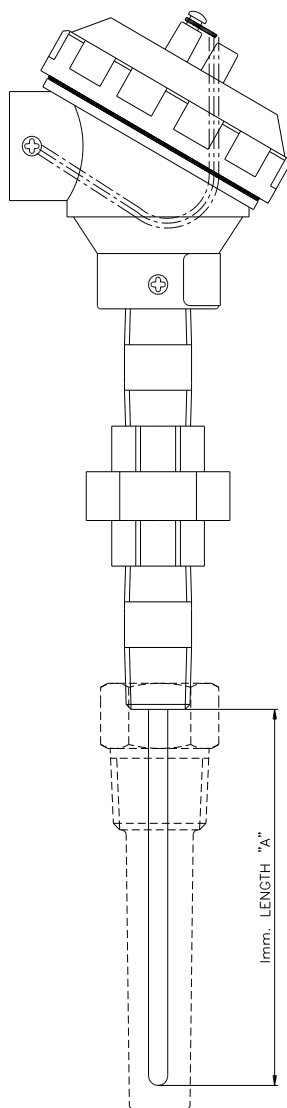


EXPLOSION PROOF CSA us

Industrial temperature sensors Ex nA / AEx 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	: Class I, Zone 2, Ex nA II T6...T1 Class I, Zone 2, AEx nA II T6...T1
Certificate number	: 247407
Protection category	: 'nA' increased safety,
Explosion group	: II
Temperature class	: T6-T1
Applicable standards	: CAN/CSA-E60079-11-02 (R2006) ANSI/ISA-60079-11 (2011) CAN/CSA E60079-15-02 (R2006) ANSI/ISA-60079-15 (2009) UL Standard 916 (2007) CAN/CSA-C22.2 No.61010-1-04 (R2009)
	Also available in ATEX,IEC,TR CU and KTL

Ordering code:

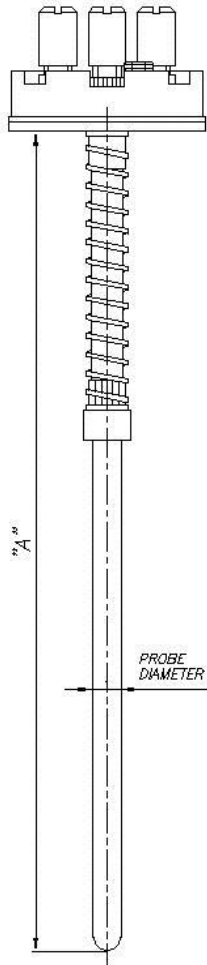
The cable gland shall be a certified model and is not part of the approval

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	XPS-45201- K -□ mm	XPS-46201- K -□ mm	
K	4,8 mm	XPS-45101- K -□ mm	XPS-46101- K -□ mm	XPS-45201- T -□ mm	XPS-46201- T -□ mm	XPS-45201- N -□ mm	XPS-46201- N -□ mm	
T	4,8 mm	XPS-45101- T -□ mm	XPS-46101- T -□ mm	XPS-45201- Pt100-□ mm	XPS-46201- Pt100-□ mm			
N	4,8 mm	XPS-45101- N -□ mm	XPS-46101- N -□ mm					
Pt 100	6,0 mm	XPS-45101- Pt100-□ mm	XPS-46101- Pt100-□ mm					

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

MI-CABLE TC / Pt100 INSERTS

for Thermo Electric Ex nA approved sensors CSA/us



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)