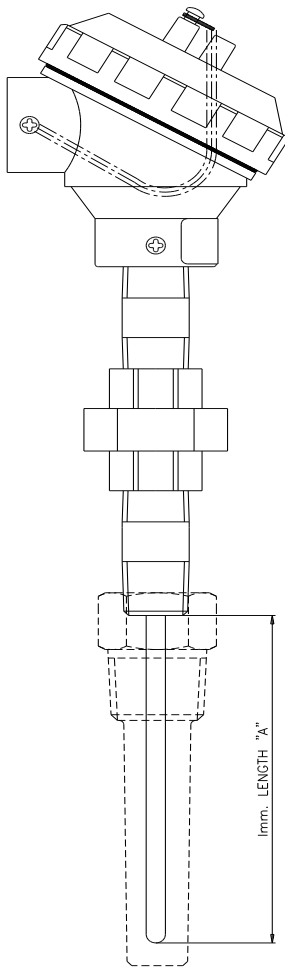


# EXPLOSION PROOF CSA/us

Ind. temperature sensors Ex ia or Ex ib / AEx ia or AEx ib



## Specifications:

Series : XPS-20.000

### 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/102r  
 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 1, Zone 1, Ex ia IIC T6...T1  
 Class 1, Zone 1, Ex ib IIC T6...T1  
 Class 1, Zone 1, AEx ia IIC T6...T1  
 Class 1, Zone 1, AEx ib IIC T6...T1  
 Certificate number : 247407  
 Protection category : 'ia' intrinsic safety, category a  
 Explosion group : IIC  
 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)

## Ordering code:

Also available in ATEX, IEC, TR CU and KTL

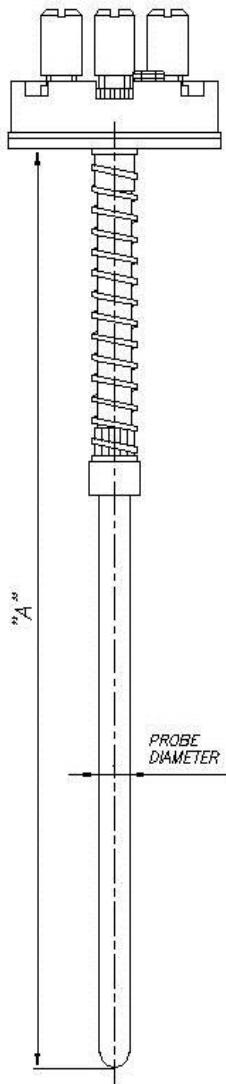
The cable gland shall be a certified model and is not part of the approval

Probe type	CAST-ALUMINIUM HEAD				CAST-IRON HEAD			
	Single		Duplex		Single		Duplex	
J	4,8 mm	XPS-25101- J -□ mm	XPS-26101- J -□ mm	XPS-25201- J -□ mm	XPS-26201- J -□ mm	XPS-25201- K -□ mm	XPS-26201- K -□ mm	
K	4,8 mm	XPS-25101- K -□ mm	XPS-26101- K -□ mm	XPS-25201- K -□ mm	XPS-26201- K -□ mm	XPS-25201- T -□ mm	XPS-26201- T -□ mm	
T	4,8 mm	XPS-25101- T -□ mm	XPS-26101- T -□ mm	XPS-25201- T -□ mm	XPS-26201- T -□ mm	XPS-25201- N -□ mm	XPS-26201- N -□ mm	
N	4,8 mm	XPS-25101- N -□ mm	XPS-26101- N -□ mm	XPS-25201- N -□ mm	XPS-26201- N -□ mm	XPS-25201- Pt100-□ mm	XPS-26201- Pt100-□ mm	
Pt 100	6,0 mm	XPS-25101- Pt100-□ mm	XPS-26101- Pt100-□ mm	XPS-25201- Pt100-□ mm	XPS-26201- Pt100-□ mm			

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

# MI-CABLE TC / Pt100 INSERTS

for Thermo Electric Ex I 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. springloading	: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 (Wstrnr.1.4401); Inconel 600 for type K, N (Wstrnr.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
Max. voltage	:5 V (10 mA)
Wiring system	:3 wires from element
Probe diameter	:6 mm

These items fit standard Ex ia temperature sensors series XPS-20.000

Probe type	Single	Duplex
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## Ordering code:

			'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	4,8 mm	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)