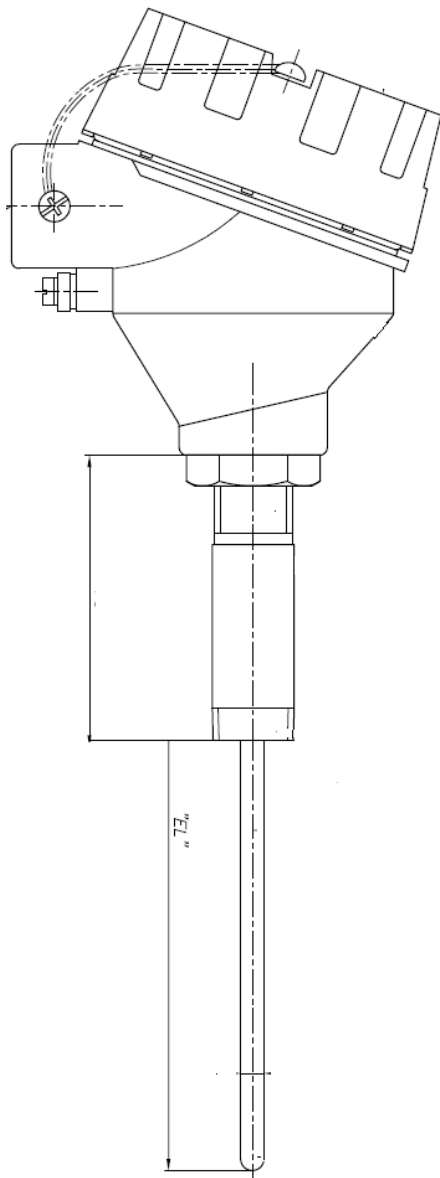


# EXPLOSION PROOF CSA/us

## Industrial temperature sensors Ex d



### Specifications:

Series:	XPS-30.000
<b><u>CONNECTION HEAD</u></b>	
Type	weatherproof with screw on cover
Material	cast-aluminium (SS up on request)
Max. temperature	80 °C
Conduit entry thread	3/4" NPT standard; if 1/2" NPT, BSP or metric thread, please specify
<b><u>EXTENSION</u></b>	
Type	adjustable nipple with locknut
Material	Stainless steel
Length	approx. 175 mm; other lengths optional
Process connection	1/2" NPT, male thread
<b><u>INSERT</u></b>	
Type	approved thermocouple or resistance insert (see A103r)
Insertion length below nipple	to be specified; replace box behind ordering code
Insert length	A + 221 mm
<b><u>THERMOWELL</u></b>	
Type	any type of thermowell; to be specified separately
<b><u>APPROVAL</u></b>	
Classification	Class 1, Zone 1, Ex d IIC T6...T1 Class 1, Zone 1, Aex d IIC T6...T1
Certificate number	247407
Protection category	'd' flame proof enclosure
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)
	Also available in ATEX, IEC, TR CU and KTL

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

### Ordering code:

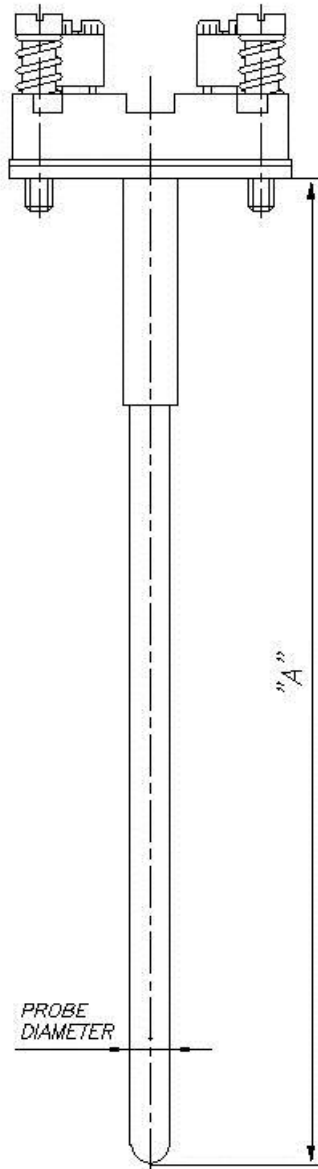
#### CAST-ALUMINIUM HEAD

Probe type	Single	Duplex
J 4,8 mm	XPS-35103- J -□ mm	XPS-36103- J -□ mm
K 4,8 mm	XPS-35103- K -□ mm	XPS-36103- K -□ mm
T 4,8 mm	XPS-35103- T -□ mm	XPS-36103- T -□ mm
N 4,8 mm	XPS-35103- N -□ mm	XPS-36103- N -□ mm
Pt 100 6,0 mm	XPS-35103- Pt100-□ mm	XPS-36103- Pt100 -□ mm

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

# MI-CABLE TC/PT100 INSERTS

for Thermo Electric Ex d 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	10 mm
Probe length 'A'	to be specified

## THERMOCOUPLE

Type	iron-constantan, type J chromel-alumel, type K copper-constantan, type T nicosil-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 d temperature sensors series XPS-30.000 see page A103

## Ordering code:

Probe type	Single		Duplex	
		'A'		'A'
J 4,8 mm	TEE-60482-	J -□ mm	TEE-62484-	J -□ mm
K 4,8 mm	TEE-60482-	K -□ mm	TEE-62484-	K -□ mm
T 4,8 mm	TEE-60482-	T -□ mm	TEE-62484-	T -□ mm
N 4,8 mm	TEE-60482-	N -□ mm	TEE-62484-	N -□ mm
Pt 100 6,0 mm	RTD-60603-	Pt100 -□ mm	RTD-62606-	Pt100 -□ mm

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