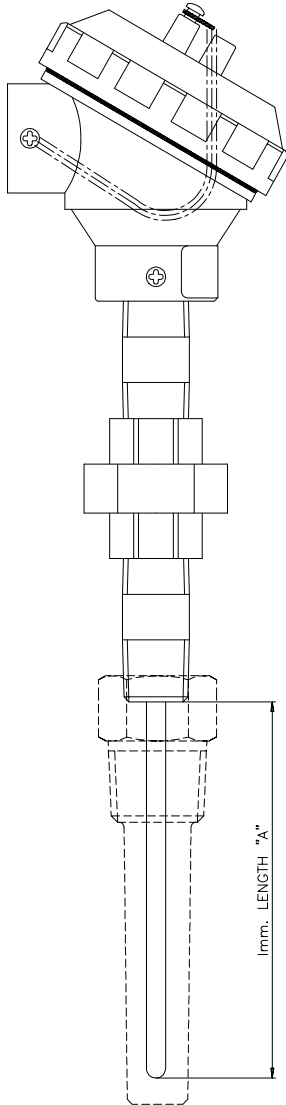


EXPLOSION PROOF IEC

Industrial temperature sensors Exe



Specifications:



Series	XPS-10.000
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/101r
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	XPs1 : Exe IIC T6...T1
Certificate number	IECEX DEK 11.0002X
Protection category	'e' increased safety,
Explosion group	II
Temperature class	T6...T1
Applicable standards	IEC 60079-0:2011, IEC 60079-7:2006-07
	Also available ATEX, CSA/us, TR CU and KTL

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

Inserts only see page A/101r

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

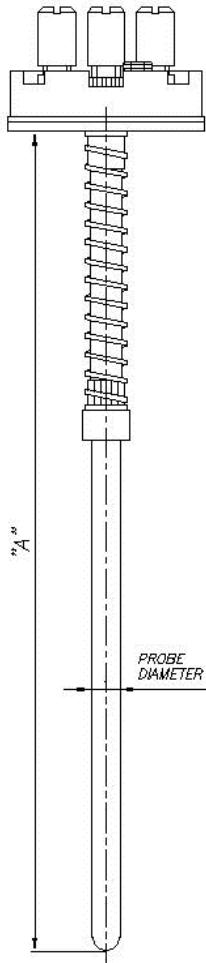
Ordering code:

Probe type	CAST-ALUMINIUM HEAD				CAST-IRON HEAD				
	Single		Duplex		Single		Duplex		
J	4,8 mm	XPS-15101-	J -□ mm	XPS-16101-	J -□ mm	XPS-15201-	J -□ mm	XPS-16201-	J -□ mm
K	4,8 mm	XPS-15101-	K -□ mm	XPS-16101-	K -□ mm	XPS-15201-	K -□ mm	XPS-16201-	K -□ mm
T	4,8 mm	XPS-15101-	T -□ mm	XPS-16101-	T -□ mm	XPS-15201-	T -□ mm	XPS-16201-	T -□ mm
N	4,8 mm	XPS-15101-	N -□ mm	XPS-16101-	N -□ mm	XPS-15201-	N -□ mm	XPS-16201-	N -□ mm
Pt 100	6,0 mm	XPS-15101-	Pt100-□ mm	XPS-16101-	Pt100-□ mm	XPS-15201-	Pt100-□ mm	XPS-16201-	Pt100-□ mm

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

MI-CABLE TC / Pt100 INSERTS

for Thermo Electric Ex e 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
Max. voltage	5 V (10 mA)
Wiring system	3 wires from element
Probe diameter	6 mm

These items fit standard Ex e temperature sensors series XPS-10.000

Probe type

Single

Duplex

Ordering code:

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

	'A'		'A'
TEE-50482-	J -□ mm	TEE-52484-	J -□ mm
TEE-50482-	K -□ mm	TEE-52484-	K -□ mm
TEE-50482-	T -□ mm	TEE-52484-	T -□ mm
TEE-50482-	N -□ mm	TEE-52484	N -□ mm
RTD-50603-	Pt100 -□ mm	RTD-52606-	Pt100 -□ mm

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