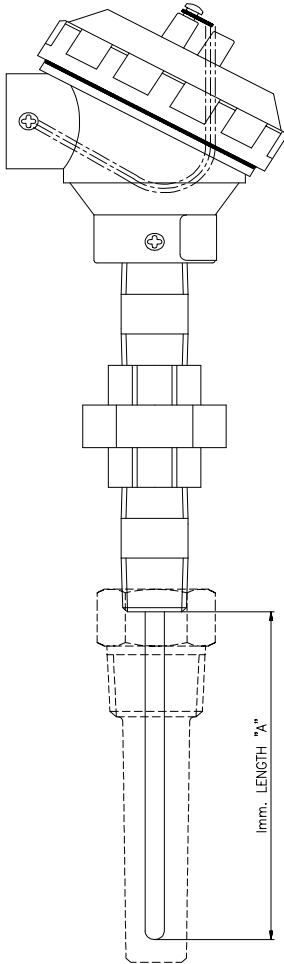


EXPLOSION PROOF IEC

Industrial temperature sensors Ex ia or Ex 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 : XPS2 : Ex ia IIC T6...T1 or Ex ib IIC T6...T1
 Certificate number : IECEx DEK 11.0002X
 Protection category : 'ia' intrinsic safety, category a
 Explosion group : IIC
 Temperature class : T6-T1
 Applicable standards : EN-60079-0:2011
 EN-60079-11:2011
 Also available in ATEX, CSA/us, TR CU and KTL

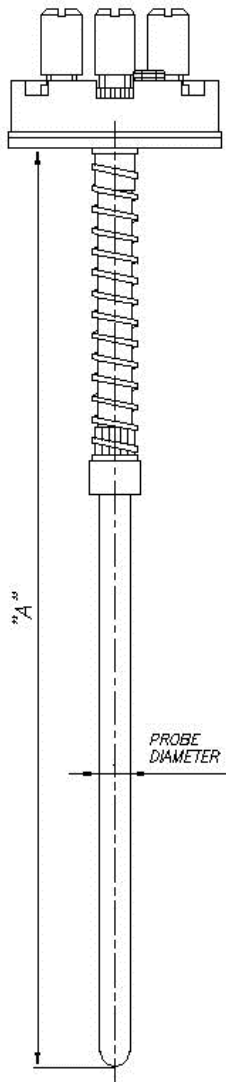
The cable gland shall be a certified model and is not part of the approval

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-25101- K -□ mm	XPS-26101- K -□ mm	XPS-25201- K -□ mm	XPS-26201- K -□ mm
K	4,8 mm	XPS-25101- K -□ mm	XPS-26101- K -□ mm	XPS-25201- T -□ mm	XPS-26201- T -□ mm	XPS-25101- T -□ mm	XPS-26101- T -□ mm	XPS-25201- N -□ mm	XPS-26101- N -□ mm
T	4,8 mm	XPS-25101- T -□ mm	XPS-26101- T -□ mm	XPS-25201- N -□ mm	XPS-26201- N -□ mm	XPS-25101- N -□ mm	XPS-26101- N -□ mm	XPS-25201- Pt100-□ mm	XPS-26101- Pt100-□ mm
N	4,8 mm	XPS-25101- N -□ mm	XPS-26101- N -□ mm	XPS-25201- Pt100-□ mm	XPS-26201- Pt100-□ mm	XPS-25101- Pt100-□ mm	XPS-26101- Pt100-□ 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	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 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. 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 (Wstnr.1.4401); Inconel 600 for type K, N (Wstnr.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
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)