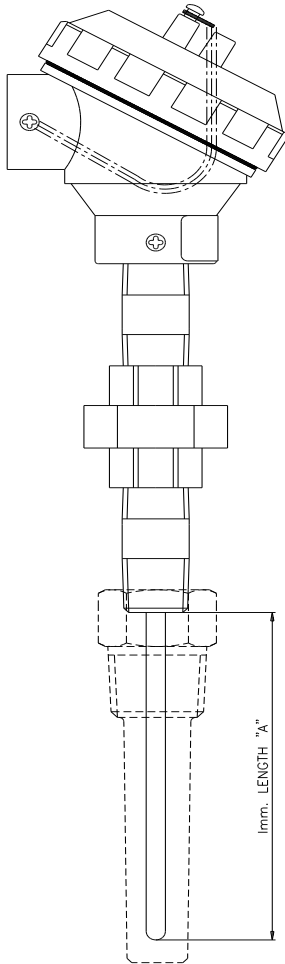


EXPLOSION PROOF ATEX

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	: II 2 G Ex ia IIC T6...T1 Gb or Ex ib IIC T6...T1 Gb, XPS2
Certificate number	: KEMA 03ATEX 1245X
Protection category	: 'ia' intrinsic safety, category a
Explosion group	: IIC
Temperature class	: T6-T1
Applicable standards	: EN-60079-0:2012 + A11 EN 60079-11:2012

Also available in IEC, CSA/us, TR CU and KTL

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

CAST-ALUMINIUM HEAD

CAST-IRON HEAD

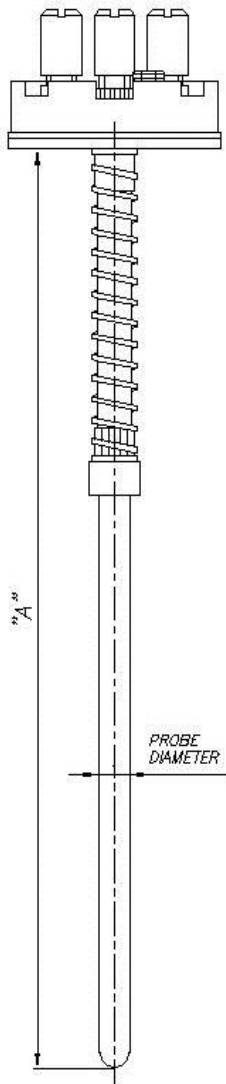
Ordering code:

Probe type	Single	Duplex	Single	Duplex
J 4,8 mm	XPS-25101- J -□ mm	XPS-26101- J -□ mm	XPS-25201- J -□ mm	XPS-26201- J -□ mm
K 4,8 mm	XPS-25101- K -□ mm	XPS-26101- K -□ mm	XPS-25201- K -□ mm	XPS-26201- K -□ mm
T 4,8 mm	XPS-25101- T -□ mm	XPS-26101- T -□ mm	XPS-25201- T -□ mm	XPS-26201- T -□ mm
N 4,8 mm	XPS-25101- N -□ mm	XPS-26101- N -□ mm	XPS-25201- N -□ mm	XPS-26101- N -□ 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 ATEX



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
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Ordering code:

			'A'			'A'
J	4,8 mm	TEE-50482-	J - <input type="checkbox"/> mm	TEE-52484-	J	- <input type="checkbox"/> mm
K	4,8 mm	TEE-50482-	K - <input type="checkbox"/> mm	TEE-52484-	K	- <input type="checkbox"/> mm
T	4,8 mm	TEE-50482-	T - <input type="checkbox"/> mm	TEE-52484-	T	- <input type="checkbox"/> mm
N	4,8 mm	TEE-50482-	N - <input type="checkbox"/> mm	TEE-52484-	N	- <input type="checkbox"/> mm
Pt 100	6,0 mm	RTD-50603-	Pt100 - <input type="checkbox"/> mm	RTD-52606-	Pt100	- <input type="checkbox"/> mm

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