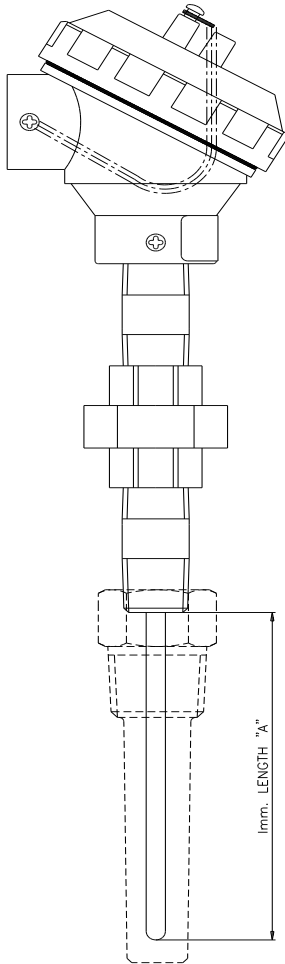


# EXPLOSION PROOF KTL

## Industrial temperature sensors Ex ia or Ex ib



### Specifications:

Series	: XPS-20.000
<b>CONNECTION HEAD</b>	
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
<b>EXTENSION</b>	
Type	: nipple-union-nipple
Material	: Stainless steel
Length	: approx. 160 mm; other lengths optional
Process connection	: 1/2" NPT, male thread
<b>INSERT</b>	
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
<b>THERMOWELL</b>	
Type	: any type of thermowell to be specified
<b>APPROVAL</b>	
Classification	: XPS2 : Ex ia IIC T6...T1
Certificate number	: 12-KB4BO-0140X
Protection category	: 'ia' intrinsic safety, category a
Explosion group	: IIC
Temperature class	: T6-T1
Applicable standards	: 2010-36
	Also available in ATEX, IEC, CSA/us and TR CU

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

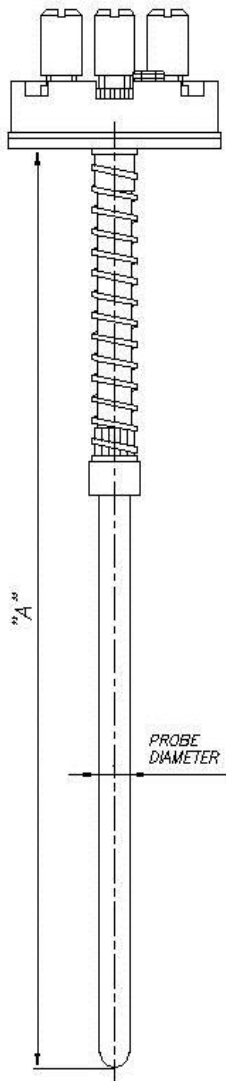
### Ordering code:

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 KTL



### 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
<b>Ordering code:</b>		
	'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)