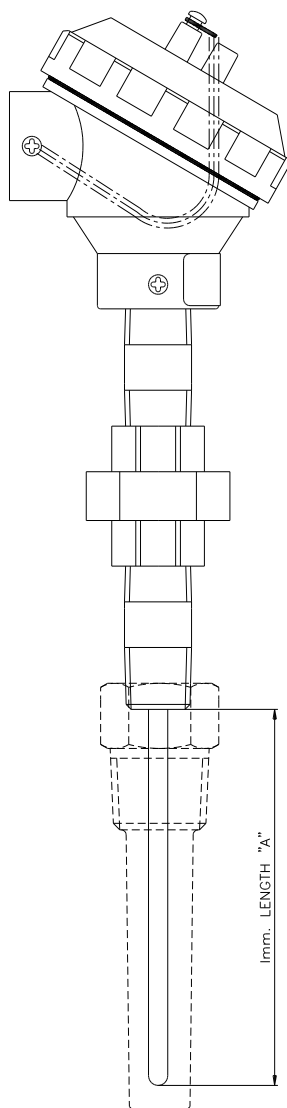


EXPLOSION PROOF ATEX

Industrial temperature sensors Ex nA



Specifications:

Series :XPS-40.000

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/104r
 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 3G Ex nA IIC T6...T1 Gc
 Certificate number :KEMA 05ATEX 1033X
 Protection category :'nA' increased safety,
 Explosion group :II
 Temperature class :T6-T1
 Applicable standards EN-60079-0,2012
 EN-60079-15, 2010
 Also available in CSA/us,IEC,TR CU and KTL

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

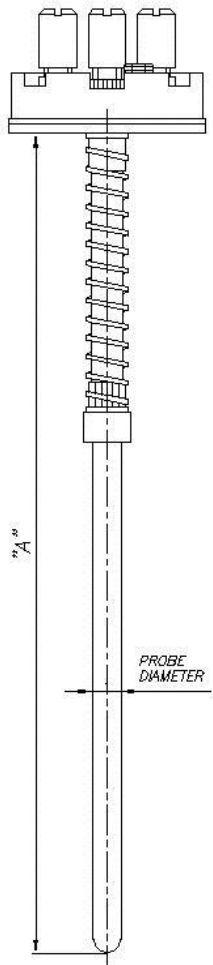
Ordering code:

| Probe type | CAST-ALUMINIUM HEAD | | | | CAST- IRON HEAD | | | |
|---------------|---------------------|------------|------------|------------|-----------------|------------|------------|------------|
| | Single | | Duplex | | Single | | Duplex | |
| J 4,8 mm | XPS-45101- | J -□ mm | XPS-46101- | J -□ mm | XPS-45201- | J -□ mm | XPS-46201- | J -□ mm |
| K 4,8 mm | XPS-45101- | K -□ mm | XPS-46101- | K -□ mm | XPS-45201- | K -□ mm | XPS-46201- | K -□ mm |
| T 4,8 mm | XPS-45101- | T -□ mm | XPS-46101- | T -□ mm | XPS-45201- | T -□ mm | XPS-46201- | T -□ mm |
| N 4,8 mm | XPS-45101- | N -□ mm | XPS-46101- | N -□ mm | XPS-45201- | N -□ mm | XPS-46201- | N -□ mm |
| Pt 100 6,0 mm | XPS-45101- | Pt100-□ mm | XPS-46101- | Pt100-□ mm | XPS-45201- | Pt100-□ mm | XPS-46201- | Pt100-□ mm |

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

MI-CABLE TC / Pt100 INSERTS

for Thermo Electric Ex nA approved sensors



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 584 |
| 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 751 class B (or any other type) |
| Max. voltage | : 5 V (10 mA) |
| Wiring system | : 3 wires from element |
| Probe diameter | : 6 mm |

These items fit standard Ex nA temperature sensors series XPS-40.000

Ordering code:

| Probe type | Single | | Duplex | |
|------------|--------|------------------------|------------------|-------|
| | | '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 | 4,8mm | 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)