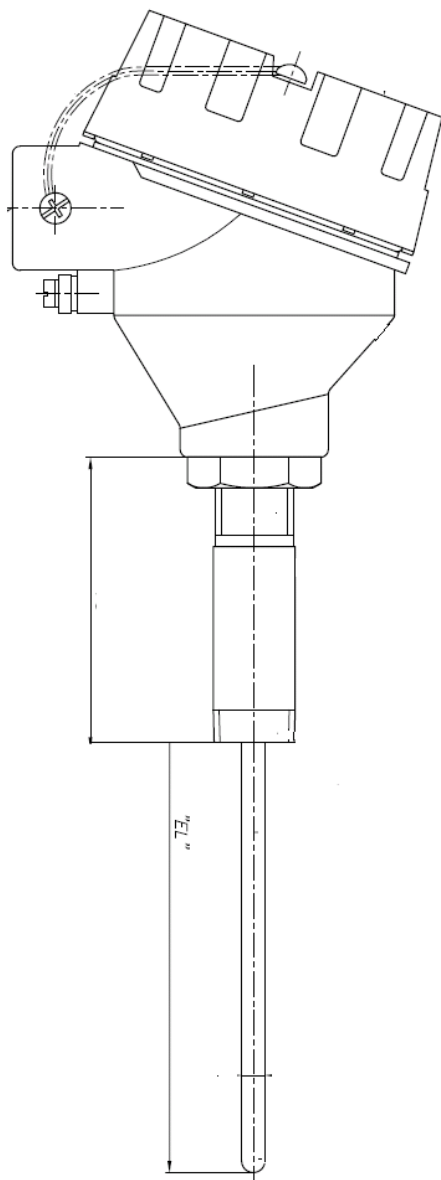


EXPLOSION PROOF IEC

Industrial temperature sensors Ex d



Specifications:

| | |
|-------------------------------|--|
| Series: | XPS-30.000 |
| <u>CONNECTION HEAD</u> | |
| Type | weatherproof with screw on cover |
| Material | cast-aluminium (SS up on request) |
| Max. temperature | 80 °C |
| Conduit entry thread | 3/4" NPT standard; if 1/2" NPT, BSP or metric thread, please specify |
| <u>EXTENSION</u> | |
| Type | adjustable nipple with locknut |
| Material | Stainless steel |
| Length | approx. 175 mm; other lengths optional |
| Process connection | 1/2" NPT, male thread |
| <u>INSERT</u> | |
| Type | approved thermocouple or resistance insert (see A103r) |
| Insertion length below nipple | to be specified; replace box behind ordering code |
| Insert length | A + 221 mm |
| <u>THERMOWELL</u> | |
| Type | any type of thermowell; to be specified separately |
| <u>APPROVAL</u> | |
| Classification | XPS3 : Exd IIC T6...T1 |
| Certificate number | IECEx DEK 11.0002X |
| Protection category | 'd' flame proof enclosure |
| Explosion group | IIC |
| Temperature Class | T6...T1 |
| Applicable standards | IEC60079-1:2007-04 |
| | 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

Ordering code:

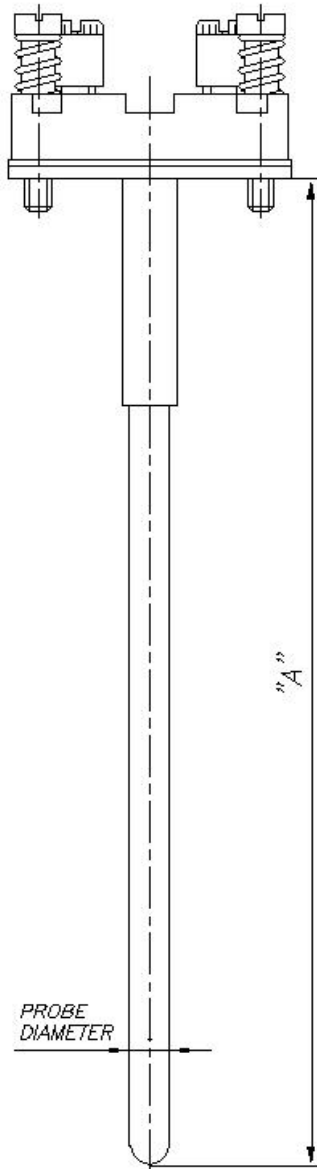
CAST-ALUMINIUM HEAD

| Probe type | Single | Duplex |
|---------------|-----------------------|------------------------|
| J 4,8 mm | XPS-35103- J -□ mm | XPS-36103- J -□ mm |
| K 4,8 mm | XPS-35103- K -□ mm | XPS-36103- K -□ mm |
| T 4,8 mm | XPS-35103- T -□ mm | XPS-36103- T -□ mm |
| N 4,8 mm | XPS-35103- N -□ mm | XPS-36103- N -□ mm |
| Pt 100 6,0 mm | XPS-35103- Pt100-□ mm | XPS-36103- Pt100 -□ mm |

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

MI-CABLE TC/PT100 INSERTS

for Thermo Electric Ex d 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 | 10 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 d temperature sensors series XPS-30.000 see page A103

Ordering code:

| Probe type | Single | | Duplex | |
|---------------|------------|-------------|------------|-------------|
| | | 'A' | | 'A' |
| J 4,8 mm | TEE-60482- | J -□ mm | TEE-62484- | J -□ mm |
| K 4,8 mm | TEE-60482- | K -□ mm | TEE-62484- | K -□ mm |
| T 4,8 mm | TEE-60482- | T -□ mm | TEE-62484- | T -□ mm |
| N 4,8 mm | TEE-60482- | N -□ mm | TEE-62484- | N -□ mm |
| Pt 100 6,0 mm | RTD-60603- | Pt100 -□ mm | RTD-62606- | Pt100 -□ mm |

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