

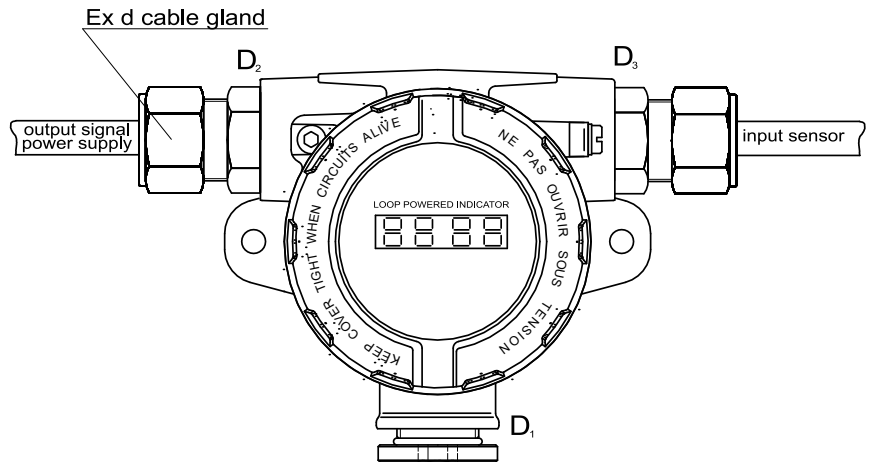
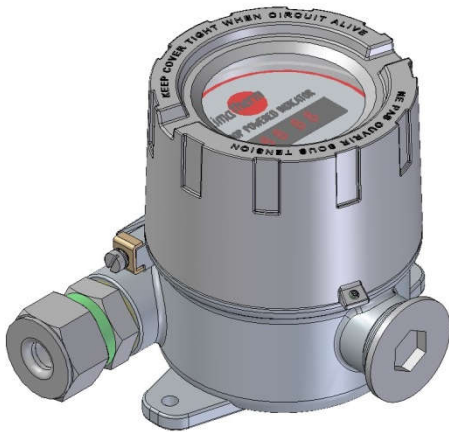


XD-80TR field transmitter XD-80TIR field indicator

STANDARD APPLICATION

Remote Version

Finally certified product



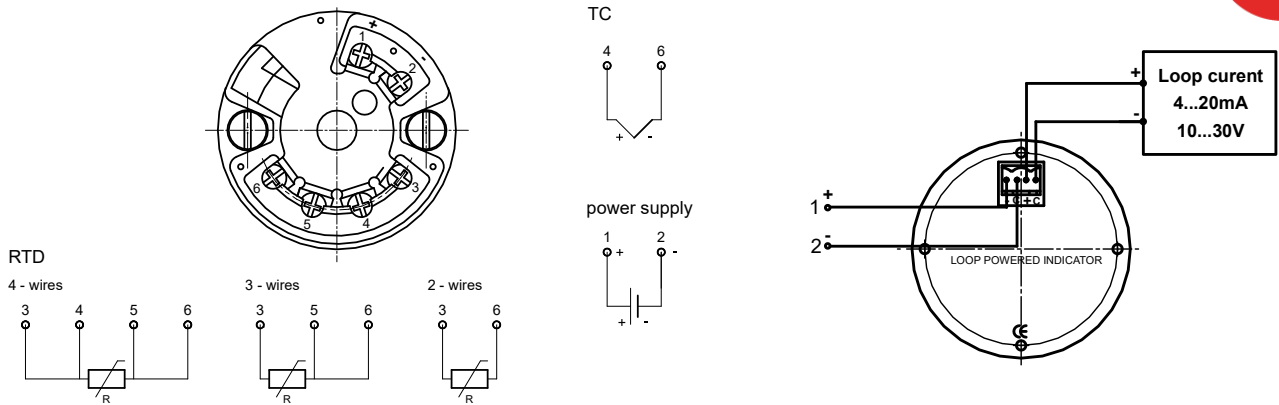
XD-80TIR is a digital, high-precision indicator measuring value of sensor signal converted into current signal by electronic transmitter in engineering units °C, °K, °F, %. It can be used to indicate of temperature or other physical values.

XD-80TR is a simplified version of XD-80TIR, without indicator.

| Model | XD-80TR | XD-80TIR |
|-----------------------------------|---|--|
| Display type | - | LPI-01 |
| Example of transmitters Ex ia | FlexTop 2211, FlexTop 2221, FlexTop 2231 IPAQ-HX dTRANS T01 956555 dTRANS T01 956556 T32.1S.0IS Rosemount 248, Rosemount 644 | - |
| Example of transmitters non Ex ia | FlexTop 2211-1 FlexTop 2221-1 Hart HCF FlexTop 2231-1 Profibus PA IPAQ-H, APAQ-HCF, APAQ-HRF MESO-H Hart dTrans T01 dTrans T01 Hart dTrans T03 B956531 dTrans T03BU956533 | FlexTop 2211-1 FlexTop 2221-1 Hart HCF PAQ-H, APAQ-HCF, APAQ-HRF MESO-H Hart dTrans T01 dTrans T01 Hart dTrans T03 B956531 |
| Output signal | 4...20 mA | |
| Max. measured error | - | 0,1% |
| Supply voltage | See data sheet of transmitters | |
| Indication range | - | -1999 to +9999 |
| Operation temperature | -20 to +80°C | |
| IP | 68 | |
| Material, surface finishing | Copper-free aluminium, conversion layers, chemical resistant paint | |
| Mounting bracket | P4 | |
| Process and conduit openings | M2 = M20x1,5, M24 = M24x1,5, M25 = M25x1,5, M27 = M27x2, N2 = ½NPTmod, N3 = ¾NPTmod | |

PROTECTION CONCEPT

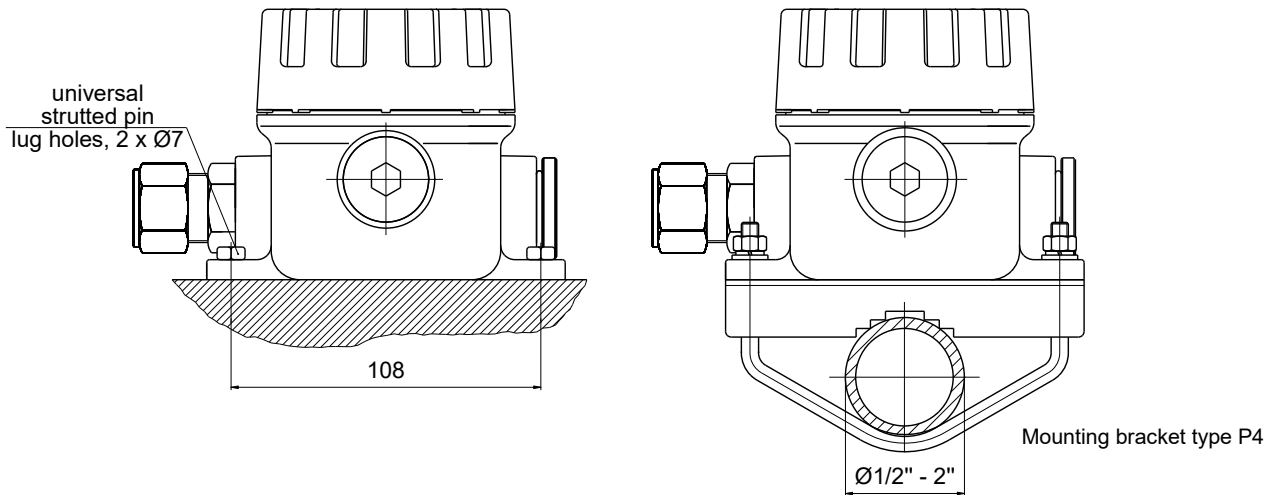
| Protection Method | Type of protection ATEX Marking | Conditions of use T_{amb} | Permitted use | EU-type certificate no. |
|-------------------|---|--|---------------|-------------------------|
| EN 60079-0 | CE 1026 Ex II 2G Ex db IIC T6...T5 Gb | -40°C < T_{amb} < 50°C for T6 | Zone 1 | FTZU 07 ATEX 0194X |
| EN 60079-1 | CE 1026 Ex II 2G Ex ia IIC T6...T5 Gb | -40°C < T_{amb} < 85°C for T5 | Zone 2 | |
| EN 60079-11 | CE 1026 Ex II 2D Ex tb IIIC T50...80°C Db | -40°C < T_{amb} ≤ 40°C for T50°C | Zone 21 | |
| EN 60079-31 | CE 1026 Ex II 2D Ex tb IIIC T50...80°C Db | -40°C < T_{amb} ≤ 55°C for T60°C -40°C < T_{amb} ≤ 70°C for T80°C | Zone 22 | |



| RTD | Type | Connection 2, 3 or 4 wires |
|-----|-------------------------|----------------------------|
| | Pt25....1000 | |
| | Ni100 | |
| | Ni500 | |
| | Ni1000 | |
| T/C | L,J,U,T,K,E,N,S,R,B,D,C | |

| Model | Ex d | | Ex ia | |
|----------|-------------|----------|--------------------|---------|
| | Transmitter | Display | Transmitter | Display |
| XD-80TR | standard | - | intrinsically safe | - |
| XD-80TIR | standard | standard | - | - |

MOUNTING WAY to the WALL and PIPE



Ordering:

XD-80 . - **. / .** - **. / .** - **. / .** - **.** - **.** - **.** - **.**

TR - transmitter in the flameproof housing
TIR - display + transmitter in the flameproof housing
 symbol of D₁, D₂ and D₃ thread / **PD,CG** (see specification)
 measuring range for transmitter output 4÷20mA: (...)°C
 transmitter type (see specification)
 diameter of supply cable (for cable other than 5÷10mm): (...)mm
 type of mounting bracket : **P4**

PD- plugged
 CG- cable gland

Ordering sample:

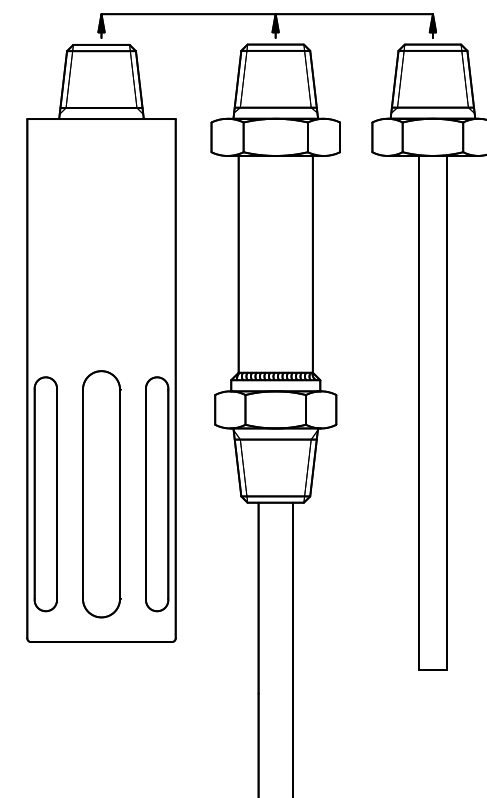
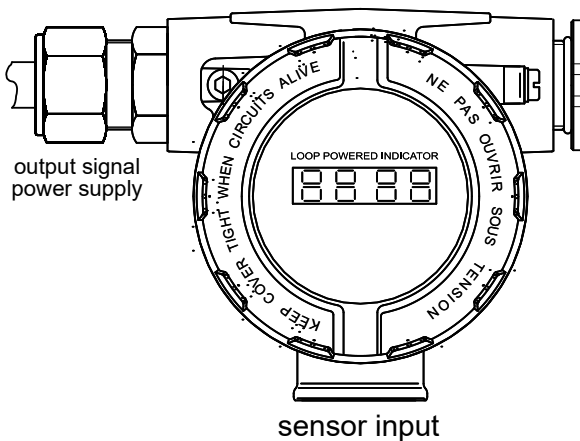
XD-80TIR-M2/PD-M25/CG-M24/PD-(0-500)°C-IPAQ-H-P4


POSSIBLE APPLICATION
Sensor Version

Product certified partialy


LIMATHERM RESPONSIBILITY

Housing assembly certified


CUSTOMER RESPONSIBILITY
CUSTOMER RESPONSIBILITY - new certificate for sensor assembly necessary