

Edition 2016

FLAMEPROOF TEMPERATURE SENSORS

ATEX Marking:

CE I M2 Ex d I Mb
 CE II 1/2 G Ex d II C T... Ga/Gb
 CE II 1/2 D Ex ta/tb IIIC T... Da/Db

EAC Ex Marking:

PB Ex d I Mb X
 Ga/Gb Ex d IIC T..X
 Ex ta/tb IIIC T..Da/Db X

for mines M2, gas G and dust D atmospheres



TECHNICAL DATA

Description

- flameproof for mines M2, gas G and dust D atmospheres
- single and double RTD
- exchangeable mineral insulated measuring insert
- connection head types: XD-AD (GW1, GW2); XD-ADwin (GW3, GW4); XD-SD (S1, S2); IP65, ATEX II 2 GD (see technical information)
- thermowell of pressure with flange welded
- cable gland ATEX I M2, II GD, IP65; (cable dia. 5..10mm)*
- output signal: RTD or 4-20mA (option)
- local display LPI-02 (option)

Design temperature range

-200 .. +550°C

Sensing element

1x or 2xPt100 acc. to EN 60751 class A, B

Thermowell

Material 1.4541, 1.4571 or other*
 Diameter [mm] custom
 Immersion length U [mm] custom

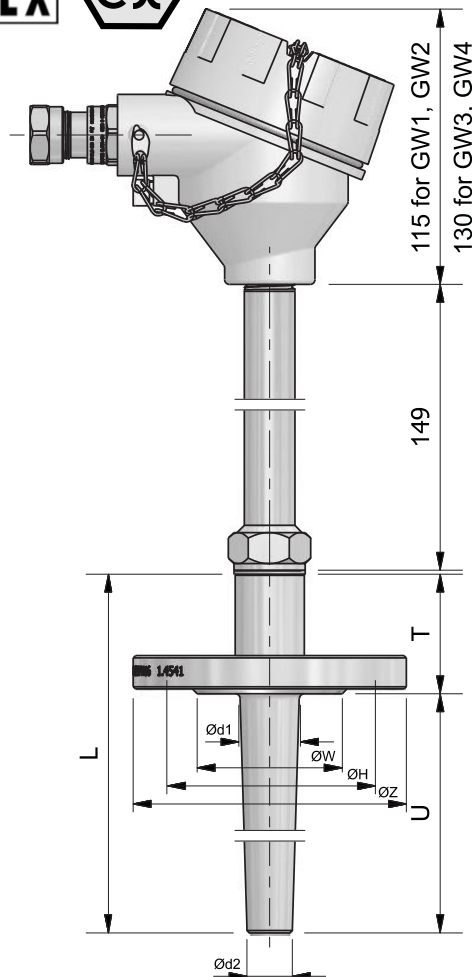
Temperature transmitter (option)

PR5333A, PR5335A (HART®), PR5350A (Profibus®PA),
 FlexTop2211, FlexTop2221 (HART®), FlexTop2231 (Profibus®PA)

Remarks

- * other parameters on request
- * local display LPI-02 (see technical information)

Flange	ØW [mm]	ØH [mm]	ØZ [mm]
DN 20	56	75	105
DN 25	65	85	115



ORDERING CODE

Temperature sensor XD - [] [] TOPFT- [] - [] - [] - [] - [] - [] - [] - [] - [] - []

without transmitter: **without mark**
 with transmitter: **AP**
 with two transmitters: **2AP**

single: **without mark**
 double: **2**

connection head type: **GW1, GW2, GW3, GW4, S1, S2**

length U [mm]: **250, 400** or other*

flange: **DN20, DN25** or other*

thermowell material: **1.4541, 1.4571** or other*

RTD class: **A, B**

connection line: **2-, 3-, 4-wire** for 1xPt100; **2-, 3-wire** for 2xPt100

measuring range for transmitter output 4-20 mA: **(...)**°C

transmitter type **(see specification)**

diameter of supply cable (for cable other than) **5..10mm (...)**

EXAMPLE:

Temperature sensor XD-TOPFT-GW1-200-DN20-1.4541-A-4

Temperature sensor XD-APTOPFT-GW1-400-DN25-1.4571-A-3-(0-400)°C-PR5333A