

**ATEX Marking:**

CE II M1 Ex ia I Ma  
CE II 1/2 G Ex ia II C T... Ga/Gb  
CE II 1/2 D Ex ia II C T... Da/Db

**EAC Ex Marking:**

PO Ex ia I Ma X  
0Ex ia IIC T..Ga X  
0Ex ia IIIC T..Da X

for mines M1, gas G and dust D atmospheres



**TECHNICAL DATA**

**Description**

- intrinsically safe for mines M1, gas G and dust D atmospheres
- single and double TC
- exchangeable mineral insulated measuring insert
- connection head types: XE-DANA (G1); XE-DANAW (G2); XE-DAND (G5); XE-DANDW (G6); XE-BE (E1); XE-BED (E2); IP65 ; ATEX II 2 GD (see technical information)
- thermowell for weld-in, to high pressures
- cable gland ATEX I M1, II GD, IP65; (cable dia. 5..10mm )\*
- output signal: TC or 4-20mA (option)

**Design temperature range**

-40 .. +700°C (J)  
-40 .. +800°C (K)

**Sensing element**

1x or 2xFe-CuNi (J) acc. to EN 60584-2 class 1, 2  
1x or 2xNiCr-NiAl (K) acc. to EN 60584-2 class 1, 2

**Thermowell type „SW”**

Material steel 15HM (1.7335) or other\*  
Diameter [mm] Ø18 mm – SW1; Ø24 mm – SW2  
Length L/L<sub>1</sub> [mm] 100/35, 140/65, 200/65 mm – for SW1  
140/35, 200/65, 260/65 mm – for SW2

**Temperature transmitter (option)**

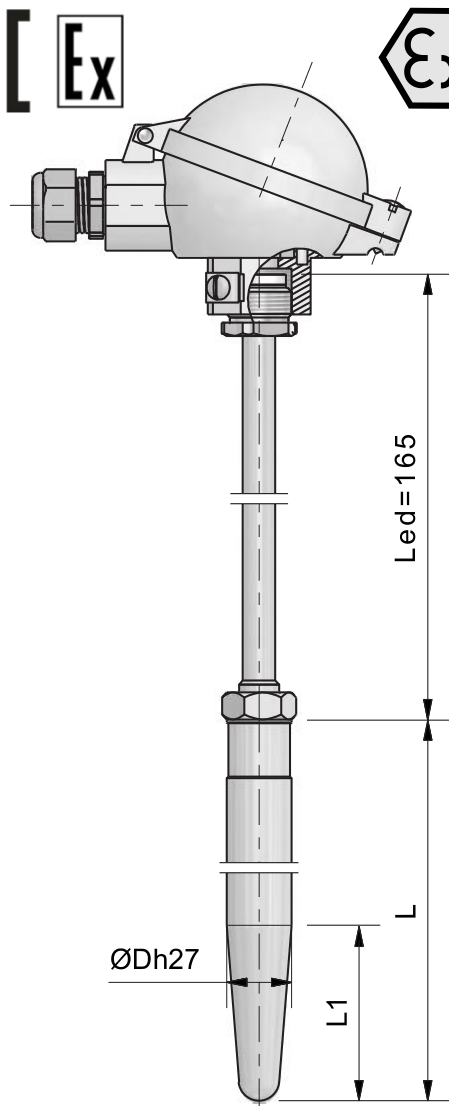
PR5334B3B, PR5335D (HART®), PR5350B (Profibus®PA),  
FlexTop2211, FlexTop2221 (HART®), FlexTop2231 (Profibus®PA),  
dTRANS T01 956555, dTRANS T01 956556 (HART®)

**Remarks**

\*other parameters on request

**ORDERING CODE**

Temperature sensor	XI -			TT															
without transmitter: <b>without mark</b>																			
with transmitter: <b>AP</b>																			
with two transmitters: <b>2AP</b>																			
single: <b>without mark</b>																			
double: <b>2</b>																			
thermocouple NiCr-NiAl: <b>K</b>																			
thermocouple Fe-CuNi: <b>J</b>																			
diameter: Ø18[mm] – <b>SW1</b> , Ø24[mm] – <b>SW2</b>																			
connection head type: <b>G1, G2, G5, G6, E1, E2</b>																			
length L [mm]: <b>see specification</b>																			
material: <b>1.7335</b> or other*																			
TC class: <b>1, 2</b>																			
measuring range for transmitter output 4-20 mA: <b>(...)</b> °C																			
transmitter type <b>(see specification)</b>																			
diameter of supply cable (for cable other than) 5..10mm <b>(...)</b>																			



**Example:**

Temperature sensor XI-TTKSW1-G1-200-15HM-1  
Temperature sensor XI-2AP2TTKSW2-G2-200-15HM-1-(0-400)°C-PR5334B3B