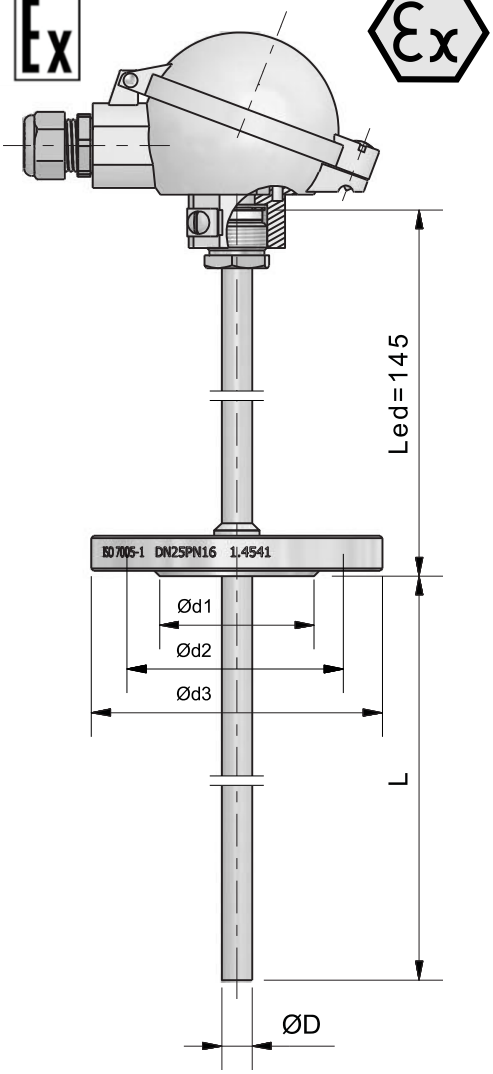
for mines M1, gas G and dust D atmospheres

ATEX Marking:
CE Ex I M1 Ex ia I Ma
CE Ex II 1/2 G Ex ia II C T… Ga/Gb
CE Ex II 1/2 D Ex ia IIIC T... Da/Db

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



TECHNICAL DATA

Description

- intrinsically safe for mines M1, gas G and dust D atmospheres
- single and double RTD
- 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)
- flange DN20, DN25 with raised face acc. to PN-ISO 7005-1*
- cable gland ATEX I M1, II GD, IP65; (cable dia. 5..10mm)*
- output signal: RTD or 4-20mA (option)

Design temperature range

-200 .. +550°C

Sensing element

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

Thermowell type „T”

Material	stainless steel 1.4541*
Diameter D [mm]	Ø10, Ø11, Ø12, Ø15 or other*
Length L [mm]	160, 250, 400 or other*

Temperature transmitter (option)

PR5333D, 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 -** [ ] [ ] **TOPT -** [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

- without transmitter: **without mark**; with transmitter: **AP**; with two transmitters: **2AP**
- single: **without mark**; double: **2**
- connection head type: **G1**, **G2**, **G5**, **G6**, **E1**, **E2**
- length L [mm]: **160**, **250**, **400** or other*
- diameter D [mm]: **10**, **11**, **12**, **15** or other*
- flange type: **DN20**; **DN25** 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 (for cable other than) 5..10mm **(...)**

EXAMPLE: Temperature sensor XI-TOPT-G1-400-12-DN25-A-4
Temperature sensor XI-APTOPT-G2-250-12-DN20-A-3-(0-150)°C-PR5333D

Zębice, ul. Rzemieślnicza 4, 55-010 Święta Katarzyna, tel. +48 71 311-58-60, 311-38-47, fax. +48 71 311-37-17, 311-38-42, www.termoaparatura.com.pl