



(1) **Supplementary EU - Type Examination Certificate No.5**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 08 ATEX 0200X

(4) Product: **Temperature sensor Ex d (Ex t) with a well, type 234, 244, 334, 344
Bar temperature sensor Ex d (Ex t), type 252, 352**

(5) Manufacturer: **ZPA Nová Paka, a.s.**

(6) Address: **Pražská 470, 509 01 Nová Paka, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 08 ATEX 0200X to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.


(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-26:2015, EN 60079-31:2014

If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) The marking of the product shall include the following:


 **II 1/2G Ex db IIC T6...T1 Ga/Gb
II 1/2D Ex ta/tb IIIC T=T_{media} Da/Db**

for sensor with ceramic tube:

 **II 2G Ex db IIC T6...T1 Gb
II 2D Ex tb IIIC T=T_{media} Db**

(12) This certificate is valid till: **31.05.2029**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 24.05.2024

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 5
to FTZÚ 08 ATEX 0200X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Verification according to the standard EN IEC 60079-0:2018.
- Extension of certificate validity.

The construction and electrical parameters of certified product remain unchanged.

Electrical parameters:

Max power in the instrument head: 1 W

The maximum measuring current of the resistance sensor: 3 mA

(16) Report Number: 08/0200/5

(17) Specific Conditions of Use:

1. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in the standard. A manufacturer should be contacted for exact dimensions of joints.

2. Maximum temperature of measured medium T_m for explosive gas atmospheres must not be higher than:

80°C for temperature class T6

95°C for temperature class T5

130°C for temperature class T4

195°C for temperature class T3

290°C for temperature class T2

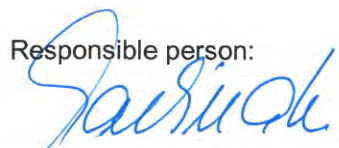
440°C for temperature class T1

For temperature of measured medium greater than the limit for temperature class T1 the maximum surface temperature T_x is determined from maximum temperature of measured medium T_m and safety addition of 10°C.

$$T_x = T_m + 10^\circ\text{C}$$

3. Maximum surface temperature T_x for explosive dust atmosphere equals temperature of measured medium T_m .

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Physical-Technical Testing Institute
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(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 5
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(17) Specific Conditions of Use: - continuation

4. Ambient temperature for product with used heads:

-50°C ≤ Ta ≤ 75°C for Al alloy head type XD- AD; XD-ADH

-50°C ≤ Ta ≤ 70°C for stainless steel head type XD-SD

-40°C ≤ Ta ≤ 75°C for Al alloy head XD-I80C; XD-I80Cwin

5. Head of temperature sensor must be installed in such way, that no creepy discharge could occur.

6. Ex cable glands and Ex blanking elements shall be used with type of Ex protection mentioned in the Article (15).

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheets	Date	Description
TP-176319/n	13	05/2024	User Manual type 234
TP-176363/n	13	05/2024	User Manual type 244
TP-176407/o	13	05/2024	User Manual type 252
TP-176330/j	11	05/2024	User Manual type 334
TP-176374/j	11	05/2024	User Manual type 344
TP-176418/l	12	05/2024	User Manual type 352
167519e	5	08.03.2018	Drawing

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