



(1) **Supplementary EU - Type Examination Certificate No.4**

(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 0199X**

(4) Product: **Temperature sensor Ex d (Ex t) for a well, type 233, 235, 243, 333, 335, 343**

(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 0199X 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 60079-31:2014**

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 2G Ex db IIC T6...T1 Gb**  
**II 2D Ex tb IIIC T90°C...Tx°C 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. 4  
to FTZÚ 08 ATEX 0199X**

(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: 08/0199/4

(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 determine 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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Dipl. Ing. Lukáš Martinák  
Head of Certification Body



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Physical-Technical Testing Institute  
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 4  
to FTZÚ 08 ATEX 0199X**

(17) Specific Conditions of Use: - continuation

4. Ambient temperature for product with used heads:

$-50^{\circ}\text{C} \leq T_a \leq 75^{\circ}\text{C}$  for Al alloy head type XD- AD; XD-ADH

$-50^{\circ}\text{C} \leq T_a \leq 70^{\circ}\text{C}$  for stainless steel head type XD-SD

$-40^{\circ}\text{C} \leq T_a \leq 75^{\circ}\text{C}$  for Al alloy head XD-I80C; XD-I80Cwin

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

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

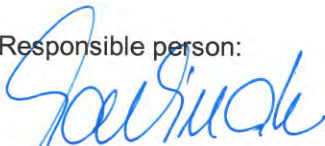
(18) Essential Health and Safety Requirements:

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-176297/n	15	05/2024	User Manual type 233
TP-176385/n	14	05/2024	User Manual type 235
TP-176341/o	14	05/2024	User Manual type 243
TP-176308/j	13	05/2024	User Manual type 333
TP-176396/j	12	05/2024	User Manual type 335
TP-176352/j	12	05/2024	User Manual type 343
167519e	5	08.03.2018	Drawing

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Head of Certification Body



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