



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

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

(3) EU - Type Examination Certificate number:

FTZÚ 11 ATEX 0144X

(4) Product: **PIG detector ULIS-A**

(5) Manufacturer: **TAHION PJSC**

(6) Address: **Ahsarova street 11, Apt.18, Kharkov, 61202, Ukraine**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 11 ATEX 0144X 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:

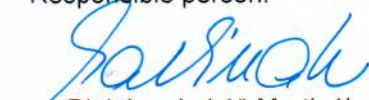
EN 60079-0:2012+A11:2013, EN 60079-11:2012

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

 **II 2G Ex ib IIB T4 Gb sensor EAT**
 **II (2)G [Ex ib Gb] IIB control and evaluation unit SU**

(12) This certificate is valid till: **18.01.2023**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 18.01.2018

Page: 1/2

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 11 ATEX 0144X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified product.
- Change of manufacturer address.
- Evaluation according to the newest standards.
- Prolongation of certificate validity.

The construction of the control and evaluation unit SU has been redesigned. Intrinsically safe parameters and specific conditions of use have been changed. The construction of sensor EAT remain unchanged.

Updated intrinsically safe parameters:

For SU: Non I.S. Terminals: $U_m = 250V$

Terminal X7: $U_o = 28.35 V$, $I_o = 0.05 A$, $P_o = 1.48 W$; $C_o = 0.1 \mu F$; $L_o = 10 mH$

Terminal X4: $U_o = 28.35 V$, $I_o = 0.025 A$, $P_o = 0.75 W$; $C_o = 0.1 \mu F$; $L_o = 10 mH$

For EAT: Input parameters EAT comply with outputs SU.

(16) Report Number.: 11/0144/1

(17) Specific Conditions of Use:

1. Ambient temperature – SU: $-10^{\circ}C \leq T_a \leq +50^{\circ}C$
Ambient temperature – EAT: $-60^{\circ}C \leq T_a \leq +50^{\circ}C$

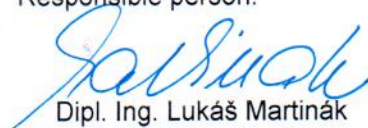
(18) Essential Health and Safety Requirements:

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:	Sheet:	Date:	Rev.	Description:
636128.062M	17	2018	-	Technical description and User manual
636128.062	1	12.01.2018	0	Drawing
636128.007-01	3	15.01.2018	4	Schematic diagram
636128.007-01	4	15.01.2018	4	PCB drawing
636128.007-01	4	15.01.2018	-	Parts list

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Page: 2/2

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