



(1) **Supplementary EU - Type Examination Certificate No.2**

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

(3) EU - Type Examination Certificate number:

FTZÚ 15 ATEX 0038X

(4) Product: **Multigas Detector ALTAIR 5X PID**

(5) Manufacturer: **MSA – The Safety Company**

(6) Address: **1000 Cranberry Woods Drive, Cranberry Twp, PA 16066, USA**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 15 ATEX 0038X 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 60079-11:2012, EN 50303:2000

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

 **I M1 Ex ia I Ma
II 1G Ex da ia IIC T4 Ga**

(12) The certificate is valid till: **31.07.2025**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.07.2020

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 15 ATEX 0038X**

(15) Description of the variation to the Product:
The subject of this supplementary certificate is:
- Evaluation according to the new list of standards,
- Prolongation of validity.

This supplementary certificate describes the evaluation according to the newest standards as mentioned in the clause (10) and a prolongation the validity for next five years. The parameters and construction of the product have not been changed. The updated documentation is mentioned in the clause (19).

Recapitulation of parameters:

Degree of protection: IP 65; Ambient temperature: -20 to +50°C; Charging: Um = 6.7 V.

Recapitulated list of used Ex components:

Catalytic sensor MSA XCell Ex, Ex da ia IIC Ga, Ex ia Ma,	certified FTZÚ 09 ATEX 0123U
El.chem. sensor MSA XCell eChem, Ex ia IIC Ga, Ex ia Ma	certified FTZÚ 09 ATEX 0223U
PID sensor Baseline-MoconTech PiD-TECH eVx, Ex ia IIC Ga	certified DEMKO 13 ATEX 1304446U
PID sensor Tech sensor plus ZPP60180, Ex ia IIC Ga	certified DEMKO 06 ATEX 0547796U

(16) Report Number.: 15/0038/2

(17) Specific Conditions of Use:

1. The equipment shall be charged by manufacturer's chargers only in an ambient temperature from 0°C to +45°C and opened when the hazardous area is not present.
2. When using the equipment in hazardous area, the equipment should be worn or carried on the body. It shall not be stored in a hazardous area. This prevents the possibility of the equipment building up an electrostatic charge. The measured capacitance of accessible metal parts: D-Ring 24 pF and Charge contact pins 17 pF.
3. The antenna used for activation of the internal RFID tag with the RF radiation power shall not exceed 6 W for Group I and 2 W for Group IIC.

(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:	Revision:	Pages:	Title:
10165710	3	92	User manual

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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