



(1) **Supplementary EU - Type Examination Certificate No.3**

(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

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:

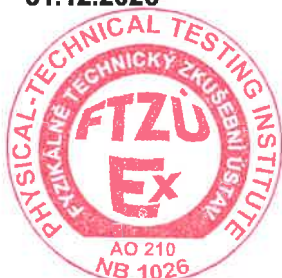


**I M1 Ex ia I Ma
II 1G Ex da ia IIC T4 Ga**

(12) This certificate is valid till: **31.12.2026**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.12.2021

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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 15 ATEX 0038X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus;
- Extension of certificate validity.

Only modification is addition of the option to utilize a monochrome display instead of the colour one. The product has been evaluated according to the newest standards mentioned in clause (10). The validity of the certificate has been extended for the next five years. The documentation has been updated and is listed in clause (19).

Technical parameters (recapitulation):

Degree of protection: IP65

Ambient temperature: $-20^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$

Charging: $U_m = 6.7 \text{ V}$

List of used Ex components (recapitulation):

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: 15/0038/3

(17) Specific Conditions of Use: None additional to those listed previously (recapitulation).

1. The equipment shall be charged by manufacturer's chargers only in an ambient temperature from 0°C to $+45^{\circ}\text{C}$ 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 24pF and Charge contact pins 17pF.
3. The antenna used for activation of the internal RFID tag with the RF radiation power shall not exceed 6W for Group I and 2W for Group IIC.

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(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.

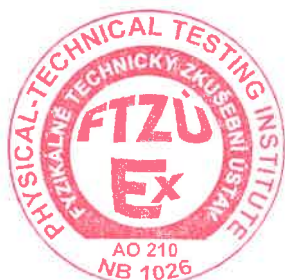
(19) Drawings and Documents:

Number	Revision	Sheets	Date	Description
10165710	4	91	12.2021	*User manual
SK3098-1334	3	51	01.12.2021	*Drawings Altair 5X PID FTZU
SK3098-1393	0	1	16.02.2017	Att dwg

*Note: An * is included before the title of documents that are new or revised.*

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