



EC-Type Examination Certificate

- (1)
(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:


FTZÚ 13 ATEX 0200X

- (4) Equipment: **Gas Detector Altair 2X**
(5) Manufacturer: **Mine Safety Appliances Company**
(6) Address: **1000 Cranberry Woods Drive, Cranberry Township, PA 16066, U.S.A**
(7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
(8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°:

13/0200 dated 18.12.2013

- (9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012, EN 60079-11:2012
(10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
(11) This EC-Type Examination Certificate relates only to the design, examination and testing of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
(12) The marking of the equipment or protective system shall include the following:

 **II 2G Ex ia IIC T4 Gb**

This EC-Type Examination Certificate is valid till: **18.12.2018**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: **18.12.2013**

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Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 13 ATEX 0200X**

(15) Description of Equipment:

The equipment Gas Detector Altair 2X is an intrinsically safe hand held portable toxic detector with LCD, audible and visual alarm and one push button. The equipment consists of one PCB with electronics and one battery inside of a plastic non-static dissipative enclosure. The power source is a single, user replaceable 3.6 V Lithium cell.

Parameters:

Ambient temperature: $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

(16) Report No.: 13/0200

(17) Special conditions for safe use:

- 17.1 The battery shall not be replaced in hazardous area.
- 17.2 There shall only be used batteries Saft LS17330 or EEMB ER17335 in this equipment.

(18) Essential Health and Safety Requirements:

Essential health and safety requirement of Directive 94/9/EC are covered by the standard mentioned in (9), according which the product was verified and in the manufacturer's Operating manual.

(19) List of Documentation:

Number:	Rev.:	Date:	Sheets:	Description:
10148950	00	10.12.2013	58	Operating manual
DG6216550	0	18.12.2013	15	Approval drawings package

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 18.12.2013

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(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 13 ATEX 0200X

(4) Product: **Gas Detector Altair 2X**

(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 13 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 60079-0:2012+A11:2013, EN 60079-11:2012

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

Ex II 1G Ex ia IIC T4 Ga

(12) The certificate is valid till: **18.12.2018**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 26.05.2017

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Physical-Technical Testing Institute
Ostrava - Radvanice

Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 13 ATEX 0200X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- evaluation according to the new standard EN 60079-0:2012+A11:2013,
- product reassessment to category 1G,
- change of the marking,
- change of name of manufacturer.

The product has been evaluated according to the standard EN 60079-0:2012+A11:2013. The product has been newly assessed as category 1G with change of the marking. The new special conditions for use have been added. The manufacturer's name has been changed from Mine Safety Appliances Company to MSA – The Safety Company.

(16) Report Number.: 13/0200/1

(17) Specific Conditions of Use: updated

1. The battery shall not be replaced in hazardous area.
2. There shall only be used batteries Saft LS17330 or EEMB ER17335 in this product.
3. The product enclosure includes accessible metal parts. The end user shall determine suitability in the specific application. The measured capacitance of the product on the item back clip is 40pF.
4. The performance tests of the product are not a subject of this certificate.

(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:	Rev.	Date:	Sheets:	Title:
10148950	01	2017	58	Operating manual
DG6216550	1	2017	15	Approval drawings package

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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