



Physical Technical Testing Institute, Ostrava-Radvanice

National testing authority No 210

Certification body No. 3051 accredited by CAI Praha

## Supplement No. 8 to Certificate No. FTZÚ 09 E 0026

about verification of workplace atmospheres – Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours

This certificate is issued for: **ALTAIR 5 Multigas Detector**

Manufacturer: **MSA - The Safety Company**

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

This supplement to certificate is valid for: - new performance tests for model ALTAIR 5X  
- change of manufacturer's name

Modification of certified apparatus and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this supplement to the certificate.

The examination and test results are recorded in confidential Report No.

**09E0026/8 dated 21.04.2017**

FTZÚ – National testing authority No. 210 confirms, that product comply with requirements following standards:

**EN 45544-1:2015, EN 45544-3:2015, EN 50104:2010, EN 50271:2010**

Manufacturer (or applicant) listed in this supplement to the certificate is responsible for product conformity assurance in accordance with its specification (documentation) listed in schedule of this supplement to the certificate and for successful performance of all specified routine tests and verification.

This certificate is valid till: **04.04.2019**

Responsible person:

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: **21.04.2017**

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## Schedule

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Product description changes:

Variation eight, to permit:

- a) The performance tests have been carried out according to standards EN 45544-1:2015 and EN 45544-3:2015.
- b) The name of the manufacturer has been changed. The previous name Mine Safety Appliances Company has been superseded by MSA-The Safety Company.
- c) The firmware has been updated to version v2.17.1.

Parameters recapitulation:

Performance tests have been carried out for:

- Gas H<sub>2</sub>S in range 0-200ppm by electrochemical sensor. The TWA function is not supported.
- Gas O<sub>2</sub> in range 0-25% (v/v) by electrochemical sensor. The warm-up time is up to 180 sec.

List of documentation:

Document No.:	Revision:	Date:	Pages:	Title:
10116951	-	2017	57 to 62	Operating Manual – chapter 6
SK3098-1184	8	16.03.2015	97	FTZU approvals, ALTAIR5X / ALTAIR5XIR
SK3098-1307	03	10.07.2015	17	Safety Discussion

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