



Physical-Technical Testing Institute  
Ostrava - Radvanice

## SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE No. 2

about verification of the product used for the detection and  
measurement of toxic gas or vapour concentrations in workplace atmospheres  
according to the Certification Scheme A

Type Examination Certificate number:

**FTZÚ 16 E 0007**

Product: **Multigas Detector ALTAIR 4XR**

Manufacturer: **MSA –The Safety Company**

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

This supplementary certificate extends Certificate No. FTZÚ 16 E 0007 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.

Physical-Technical Testing Institute, Certification Body No. 3051 accredited by ČIA o.p.s. Prague according to EN ISO / IEC 17065:2012 confirms that the above mentioned product is in conformity with the requirements of the following standards:

**EN 50104:2019, EN 45544-1:2015, EN 45544-2:2015,  
EN 45544-3:2015, EN 50270:2015, EN 50271:2018**

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

This supplementary certificate relates only to verification of electrical apparatus used for the detection and measurement of toxic gas or vapour concentrations in workplace atmospheres. Further requirements can be applied to the manufacturing process and supply of this product. These are not covered by this certificate.

Responsible person:

*v z. Jga*

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 21.04.2022

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**Physical-Technical Testing Institute  
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## Schedule

### Supplementary Type Examination Certificate No. 2 to FTZÚ 16 E 0007

#### Description of product changes:

The list of the standards applied for conformity assessment has been changed. The product has been assessed according to the new editions of standards EN 50104:2019 and EN 50271:2018. The description of the product is not changed.

The additional performance tests in scope of the updated standard EN 50104:2019 for O<sub>2</sub> oxygen gas have been carried out for deficiency and enrichment. The product fulfils the standard requirements in the unchanged conditions and specification.

The current performance tests for H<sub>2</sub>S and CO remain valid without any change.

#### Recapitulation of parameters:

Conditions:	Oxygen O <sub>2</sub>	Carbon monoxide CO	Hydrogen Sulphide H <sub>2</sub> S
Gas range:	0 to 25 % v/v	0 to 1999 ppm	0 to 200 ppm
Temperature range:	-20 to +60°C	-20 to +50°C	-20 to +60°C
Pressure range:	80 to 120 kPa		
Humidity range:	20 to 90 % RH		
Calibration flow:	30 litres / hour		

Specification: Software version: v2.27

The conformity assessment according to the standard EN 50270:2015 is on manufacturer's responsibility.

The TWA function is not supported for H<sub>2</sub>S.

Test report No.: 16E/0007/2

List of documentation: only updated

Document No.:	Revision:	Date:	Pages:	Title:
10175895	9	2022	11	Addendum A for operating manual
SK3098-1399	1	07.04.2022	54	EN 50271 Safety Discussion

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