



Physical-Technical Testing Institute
Ostrava - Radvanice

Supplementary Type Examination Certificate No. 3

about verification of the product intended to measure the concentration of toxic gas, oxygen and vapour in workplace atmospheres in industrial and commercial applications 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+A1:2023, EN IEC 62990-1:2022+A11:2022, EN 50271:2018

Manufacturer 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 product intended to measure the concentration of toxic gas, oxygen and vapour in workplace atmospheres in industrial and commercial applications. Further requirements can be applied to the manufacturing process and supply of this product. This is not covered by this certificate.

Responsible person:

v z. gga

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.05.2025

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

Schedule

Supplementary Type Examination Certificate No. 3 to FTZÚ 16 E 0007

Description of product changes:

- Change of the software version.
- Assessment according to new EN 50104:2019+A1:2023, and EN IEC 62990-1:2022+A11:2022.
- Carry out additional performance tests.
- Updated documentation.

Assessment of software changes according to EN 50271:2018. The original version of the software under consideration was 2.27, now the new version of the software under consideration is 2.30.

The list of the standards applied for conformity assessment has been changed. The product has been assessed according to the new standards EN 50104:2019+A1:2023 and EN IEC 62990-1:2022+A11:2022. The description of the product is not changed. The current performance tests for O₂ remain valid without any change. This certificate does not cover performance tests which have been carried out for gas CO in the scope of EN 45544-1:2015 and EN 45544-2:2015.

The additional performance tests in scope of the new standard EN IEC 62990-1:2022+A11:2022 for gases H₂S and CO have been tested. The product fulfils the standards requirements in the conditions and specification below:

Conditions:	Oxygen O ₂ (deficiency and enrichment)	Hydrogen Sulphide H ₂ S (safety monitoring)	Carbon monoxide CO (safety monitoring)
Gas range:	0 to 25 % v/v	0 to 200 ppm	0 to 1999 ppm
Temperature range:	-20 to +60°C		-15 to +50°C
Pressure range:	80 to 120 kPa		
Humidity range:	20 to 90 % RH		
Calibration flow:	15 litres / hour		

Specification: Software version: v2.30

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

Test report No.: 16E/0007/3

List of documentation: - listed only updated documents

Document No.:	Revision:	Date:	Title:
10175895	13	2025	Addendum A for operating manual
SK3098-1399	2	2022	EN 50271 Safety Discussion
10175896	12	2025	Operating manual

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v z. Jga

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