Physical-Technical Testing Institute
Ostrava – Radvanice

Supplementary Type Examination Certificate No.10

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

Type Examination Certificate number:

FTZÚ 09 E 0027

Product: **ALTAIR 5XiR Multigas Detector**

Manufacturer: **MSA - The Safety Company**

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

This supplementary certificate extends Certificate No. FTZÚ 09 E 0027 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.

The Physical-Technical Testing Institute, Certification Body No.3051, accredited by ČIA o.p.s, Prague according to EN ISO/IEC 17065:2012, certifies that this product has been found to comply with requirements of the following standard:

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

Manufacturer listed in the certificate is responsible for the 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 the verification of workplace atmospheres – Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours. Further requirements can be applied to the manufacturing process and supply of this product. These are not covered by this certificate.

This certificate is valid till: **04.04.2024**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of certification body

Date of issue: 29.05.2019

This certificate is valid only for products described in this certificate and doesn't replace any other documents.
This certificate shall not be reproduced except in full without written approval of authorized entity (FTZÚ).

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Physical-Technical Testing Institute
Ostrava – Radvanice

Schedule

Supplementary Type Examination Certificate No. 10 to FTZÚ 09 E 0027

Description of product changes:

The firmware has been updated to version v2.19.1. The assessment in scope of the standard EN 50271:2010 has been done.

The assessment according to other standards EN 45544-1:2015, EN 45544-3:2015 and EN 50104:2010 has not been affected.

Recapitulation of parameters:

Performance tests have been carried out for:

- Gas H_2S in range 0-200 ppm by electrochemical sensor. The TWA function is not supported.
- Gas O_2 in range 0-25 % (v/v) by electrochemical sensor. The warm-up time is up to 180 sec.

Test report No.: 09E/0027/10

List of documentation:

Number:	Rev.	Title:
SK 3098-1184	9	FTZU approvals, ALTAIR5X / ALTAIR5XIR

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of certification body

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