



Physical-Technical Testing Institute
Ostrava - Radvanice



(1) **Supplementary EU - Type Examination Certificate No.3**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 14 ATEX 0172X

(4) Product: **Benzene monitor, type EWF 1.1**

(5) Manufacturer: **Ion Science Ltd.**

(6) Address: **The Way, Fowlmere, Cambridge, SG8 7UJ, United Kingdom**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 14 ATEX 0172X 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 IEC 60079-0:2018, EN 60079-1:2014

If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

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



II 2G Ex db IIB+H2 T4 Gb

(12) This certificate is valid till: **31.03.2028**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 24.03.2023

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

(13)

Schedule

(14)

**Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 14 ATEX 0172X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Verification of changes in electronics.
- Update of documentation.
- Extension of certificate validity.

New pump LEE Ventus SPM – 041 is used with its new control PCB and Zener diode is added to PSU board.

Construction of flameproof enclosure and electrical parameters of the product remain unchanged.

(16) Report Number: 14/0172/3

(17) Specific Conditions of Use:

1. Ambient temperature range: $-20\text{ °C} \leq T_a \leq +55\text{ °C}$
2. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.

(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	Issue	Sheets	Date	Description
TITAN Instrument User Manual V1.4	1.4	72	15.12.2020	User's guide
CERT0179	9	1	06.12.2022	Drawing
CERT0176	3	1	06.12.2022	Drawing
CERT0172	2	1	06.12.2022	Drawing
IO-001495-TC	1	3	27.02.2023	Power dissipation

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

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