



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



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

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

(3) EU - Type Examination Certificate number:

FTZÚ 22 ATEX 0031X

(4) Product: Portable Gas Detector BW Flex4, BW Flex5, BW Flex-i

(5) Manufacturer: Honeywell Analytics Limited

(6) Address: Hatch Pond House, 4 Stinsford Road, Nuffield Estate Poole Dorset, BH17 0RZ, UK

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 22 ATEX 0031X 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) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-29-1:2016, EN 50271:2018

(10) 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:

EN 60079-29-1*

*** refer to clause (15)**

(12) This certificate is valid till: 31.12.2027

Responsible person:

V. E. Juf

**Dipl. Ing. Lukáš Martinák
Head of Certification Body**



Date of issue: 20.12.2022

Page: 1/3

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This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
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**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 22 ATEX 0031X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- New performance tests.
- Extension of certificate validity.
- Updated specific conditions of use.

This supplementary certificate describes adding new performance tests, which have been carried out on the product for gas methane CH_4 with inner nondispersive infrared sensor type eLichens Cranberry in the conditions, specification and applied accessory mentioned below:

Conditions:

Temperature range:	-20 to +60°C
Pressure range:	80 to 120 kPa
Humidity range:	20 to 90 % RH
Gas, range:	For methane CH_4 : 0-100% LFL (0 to 4.4 % v/v)

Specification:

Nom. voltage range:	Internal Li-Ion battery 3.6 V
Calibration flow:	30 litres / hour
Equipment group:	Group II
Interface:	LCD display
Software version:	For product: v1.060 For inner sensor: v1.02D

Bluetooth and infrared interface have not been applied for gas performance tests.

Applied accessory:

CP-TC-1	Calibration cap
CP-USB	Charger

The Ex protection is covered by certificate No. Sira 20ATEX2012X. The certificate validity is prolonged for next five years. The product description remain unchanged. The performance tests on product for gas methane CH_4 and propane C_3H_8 with inner catalytic sensor type iLEL 75C remain unchanged. The updated specific conditions of use are in the clause (17). The updated documentation is in the clause (19).

(16) Report Number: 22/0031/1

Responsible person:

V. Z. Juf

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Page: 2/3

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(17) Specific Conditions of Use: updated

1. For product with the inner catalytic sensor type iLEL 75C and gases methane CH_4 or propane C_3H_8 there is required calibration after exposure to high concentrations above the upper limit.
2. For product with the inner catalytic sensor type iLEL 75C and gas propane C_3H_8 there is the air velocity limit up to $3 \text{ m}\cdot\text{s}^{-1}$.
3. The conformity assessment according to the standard EN 50270:2015 is on manufacturer's responsibility.
4. The special conditions of use listed in the EU Type Examination Certificate Sira 20ATEX2012X have to be observed for use in explosive atmospheres.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this supplementary certificate and by certificate Sira 20ATEX2012X.

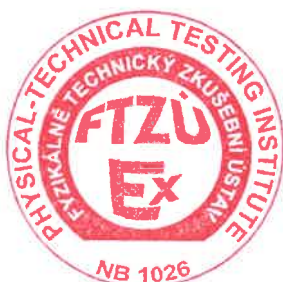
(19) Drawings and Documents: only updated

Number:	Version/Rev./Date:	Description:
M05-4002-003	Rev. E	BW-FLEX Product Manual

Responsible person:

1.2. Jof

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 20.12.2022

Page: 3/3