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 07 ATEX 0316X

(4) Product: **Integrated monitoring device type HARRIER 4**

(5) Manufacturer: **INDIKON, s r.o.**

(6) Address: **Čáslavská 319, 538 03 Heřmanův Městec, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 07 ATEX 0316X 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 60079-11:2012

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:

Ex **II (1)G [Ex ia Ga] IIC**	Control Box
Ex **II 1/2G Ex ia IIC T4 Ga/Gb**	Probes

(12) This certificate is valid till: **31.07.2028**

Responsible person:

v z. Ggas

Dipl. Ing. Lukáš Martinák
Head of Certification Body

PHYSICAL-TECHNICAL TESTING INSTITUTE FTZÚ Ex

Date of issue: 31.07.2023

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.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz

(13) **Schedule**

(14) Supplementary EU - Type Examination Certificate No. 3 to FTZÚ 07 ATEX 0316X

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified product.
- Evaluation according to the newest standards.
- Extension of certificate validity.

The subject of this supplementary certificate is extension of certificate validity, evaluation of product according to the newest standards and evaluation of modification of product. Into control box part of product was introduced new PCB. The pressure sensor type T01 was removed. The list of actual documents is listed in clause (19) of this supplementary certificate.

Technical parameters: Recapitulation
Supply 230 V; ± 10%; 50 Hz; P_{max} = 36 VA
Intrinsically safe circuits:
The probe KX102A: Ex ia IIC T4 Ga
The probes EK01A, EK02A, K011 and junction box: Ex ia IIC T4 Gb
Max. cable parameters permitted for all probes, each circuit:
Lo = 1 mH; Co = 100 nF (length max. 500 m)
Output relays contacts, non I.S.: max. 250 V / 5 A / 100 VA
Non-intrinsically safe circuits: Um = 250 V

(16) Report Number: 07/0316/3

(17) Specific Conditions of Use: None additional to those listed previously.

1. Ambient temperature:
   Control box HARRIER 4: $-5°C \le T_a \le +35°C$
   Probes (sensors): $-20°C \le T_a \le +80°C$ *)
   *) When installed in Zone 0, the max. ambient temperature is limited to +60°C.
2. Using of junction boxes BOPLA and LUCA is possible according to the following conditions:
   - The equipment shall not be wiped with a dry cloth.
   - The equipment shall not be installed in a location where the external conditions are conductive to the build-up of electrostatic charge.
   - The equipment shall be used in Zone 1 and 2 only to connect intrinsic safe circuits.

(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.

Responsible person:

v z. Gyga

Dipl. Ing. Lukáš Martinák
Head of Certification Body

PHYSICAL-TECHNICAL TESTING INSTITUTE FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV FTZÚ Ex NB 1026

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(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 3 to FTZÚ 07 ATEX 0316X**

(19) Drawings and Documents:

Number:	Sheet:	Date:	Description:
-	14	14.04.2023	User manual HARRIER 4
00-00-00	1	19.02.2018	Drawing
00-00-01	1	19.02.2018	Drawing
00-00-02	1	19.02.2018	Drawing
00-01-00	1	12.10.2007	Drawing
00-01-01	1	12.10.2007	Drawing
00-01-02/1	1	12.10.2007	Drawing
00-01-02/2	1	12.10.2007	Drawing
00-01-03	1	12.10.2007	Drawing
00-02-00	1	12.10.2007	Drawing
00-02-01	1	12.10.2007	Drawing
00-02-02	1	12.10.2007	Drawing
00-02-03	1	12.10.2007	Drawing
00-03-00	1	12.10.2007	Drawing
00-03-01	1	12.10.2007	Drawing
00-03-02	1	12.10.2007	Drawing
00-03-03	1	12.10.2007	Drawing
00-04-00	1	12.10.2007	Drawing
00-04-01	1	12.10.2007	Drawing
00-04-02	1	12.10.2007	Drawing
00-04-03	1	12.10.2007	Drawing
00-05-00	1	13.04.2023	Drawing
00-05-01	1	19.02.2018	Drawing
00-05-02	1	19.02.2018	Drawing
00-05-03	1	19.02.2018	Drawing
00-06-00	1	19.02.2018	Drawing
00-06-01	1	19.02.2018	Drawing
00-06-02	1	19.02.2018	Drawing
00-06-03	1	19.02.2018	Drawing
00-09-00	1	03.12.2021	Drawing
00-09-01	1	03.12.2021	Drawing
00-09-02/1	1	03.12.2021	Drawing
00-09-02/2	1	03.12.2021	Drawing
00-09-03	2	03.12.2021	Drawing

Responsible person:

v z. Ggar

Dipl. Ing. Lukáš Martinák
Head of Certification Body

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