



Physical-Technical Testing Institute
Ostrava - Radvanice



(1) **Supplementary EU - Type Examination Certificate No.4**

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

(3) EU - Type Examination Certificate number:

FTZÚ 17 ATEX 0143X

(4) Product: **Gas-Volume Conversion Device ELCOR, ELCORplus, ELCORplus-indexer
Datalogger DATCOM, DATCOMplus**

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

(6) Address: **Semtínská 211, Ohrazenice, 533 53 Pardubice, Czech Republic**

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 17 ATEX 0143X 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 IEC 60079-0:2018, EN 60079-11:2012

(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:

 **II 1G Ex ia IIB T4 Ga**

(12) This certificate is valid till: **31.12.2027**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 16.12.2022

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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 17 ATEX 0143X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Extension of certificate validity;
- Modification of certified apparatus.

This supplementary certificate modifies the product's electrical circuitry, expands the product's capabilities and features, and adds additional add-on boards. These boards are as follows

- Indexer interface 2 board, this module is only used to connect the KP133 optical indexer;
- AMR interface board, this module is used to connect subsystems.

Intrinsically safe parameters for the AMR interface:

AMR interface (terminals SLOT1,2: GND, U+, D-, D+)

$U_0 = 6.5 \text{ V}$, $I_0 = 145 \text{ mA}$, $P_0 = 235 \text{ mW}$

Gas Group IIA: $\Sigma C_0 = 100 \text{ uF}$, $\Sigma L_0 = 1.2 \text{ mH}$

Gas Group IIB: $\Sigma C_0 = 18 \text{ uF}$, $\Sigma L_0 = 1.2 \text{ mH}$

The remaining intrinsically safe parameters of the device remain unchanged.

The ELCORplus Indexer can be supplied with the new mechanical counter and optical indexer KP 133.

New battery packs with user replaceable lithium cells are introduced to power the apparatus and all internal modems: B-03U, B-03DU, HB-03U 3.6Ah / 7.2Ah / 17Ah, HB-04U.

Internal modems can only be used in the device with an approved battery pack and battery cell. Modems can also be powered from an approved external power supply.

GPRS modem: HB-03 / HB-03D / HB-03U / option of external power supply PS-M

LTE-CatM1 modem: HB-03 / HB-03D / HB-03U / option of external power supply PS-M

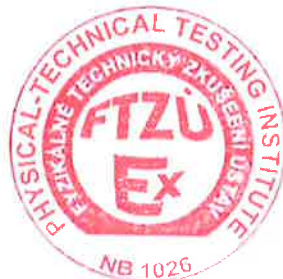
LTE-Cat1 modem: HB-04 / HB-04U / option of external power supply PS-M

LTE-CatNB modem: HB-03U / option of external power supply PS-M

The modifications do not affect the existing equipment protection level (EPL).

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(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 4
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(16) Report Number: 17/0143/4

(17) Specific Conditions of Use:

None additional to those listed previously.

(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.

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
KP 100_99	Z 100 018	14	20.9.2022	List of documentation KP 100 (ELCOR, ELCORplus, ELCORplus Indexer)
KP 102_99	Z 102 009	1	20.9.2022	List of documentation KP 102 (Optical indexer)
KP 107_99	Z 107 005	1	26.8.2022	List of documentation KP 107 (ELCOR)
KP 108_99	Z 108 011	3	30.9.2022	List of documentation KP 108 (ELCORplus)
KP_109_99	Z 109 003	1	20.9.2022	List of documentation KP 109 (ELCORplus Indexer)
KP_133_99	Z 133 001	1	6.10.2022	List of documentation KP 133 (Optical indexer 2)

Responsible person:

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



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