



(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 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: **31.01.2025**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 17 ATEX 0143X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of certified apparatus.

This supplementary certificate describes the change of electric scheme of product, extends facilities and properties of product and adds next supplementary boards. These are the boards:

- PCB of interface TMR (connection of HF TMR sensors inside the gas meter), this module is designed only to connection of sensors HF TMR.

New intrinsically safe parameters for TMR inputs are set.

TMR Interface (Slot 0, Terminals GND, U+, DI1, DI2, U+)

$U_o = 6.5 \text{ V}$, $I_o = 2 \text{ mA}$, $P_o = 3 \text{ mW}$

Gas Group IIA: $C_o = 100 \mu\text{F}$, $L_o = 100 \text{ mH}$

Gas Group IIB: $C_o = 20 \mu\text{F}$, $L_o = 10 \text{ mH}$

- PCB interface EDT (connection of temperature and pressure converters type EDTxx), this module is designed to connect next devices to internal bus IB1.

New intrinsically safe parameters for EDT outputs are set.

EDT interface - Internal bus IB1 (Terminals Slot 0, EXT1-T: GND, U+, D+, D-)

$U_o = 6.5 \text{ V}$, $I_o = 0.7 \text{ A}$, $P_o = 1.1 \text{ W}$

Gas Group IIA: $\sum C_o = 50 \mu\text{F}$, $\sum L_o = 50 \mu\text{H}$

Gas Group IIB: $\sum C_o = 24 \mu\text{F}$, $\sum L_o = 50 \mu\text{H}$

Maximal cable length: 100 m

The parameters of Internal Bus IB0, IB1 are particularized in model line ELCOR/DATCOM.

Internal bus IB0, IB1 (Terminals GND, U+, D+, D-) only type ELCOR/DATCOM

$U_o = 6.5 \text{ V}$, $I_o = 0.7 \text{ A}$, $P_o = 0.6 \text{ W}$

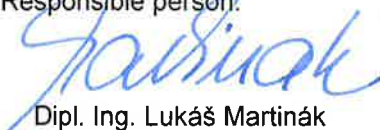
Gas Group IIA: $\sum C_o = 50 \mu\text{F}$, $\sum L_o = 50 \mu\text{H}$

Gas Group IIB: $\sum C_o = 24 \mu\text{F}$, $\sum L_o = 50 \mu\text{H}$

Maximal cable length: 100 m

The rest of intrinsically safe parameters and construction of apparatus remain unchanged.

Responsible person:



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Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 17 ATEX 0143X**

(16) Report Number: 17/0143/3

(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) List of Documentation:

<i>Document/Drawings:</i>	<i>Type of doc</i>	<i>Rev</i>	<i>Date</i>	<i>Nr. of pages</i>
KP 108	46/148	Z 100 006	12.04.2021	148
User manual	--	Rev 4	08.2020	225
List of Documentation KP 100	99/1-99/11	Z 100 007	15.4.2020	11

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