



**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 20 ATEX 0037X

(4) Product: **Radar level meter type EMKOTDR-60Xi (XiT)**

(5) Manufacturer: **EMKOMETER s.r.o.**

(6) Address: **Pod Lipami 340/52a, 130 00 Praha 3 - Žižkov, Czech Republic**

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 20 ATEX 0037X 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 1/2G Ex ia IIB T5 Ga/Gb

(12) This certificate is valid till: **30.10.2029**

Responsible person:

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



Date of issue: 09.10.2024

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

**Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 20 ATEX 0037X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

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

The subject of this supplementary certificate is extension of certificate validity, minor modifications of product and introduction of new type of electrode. Technical parameters of certified product remain unchanged. The list of actualized or new documents is listed in clause (19) of this supplement.

Technical parameters: - Recapitulation

Maximum input parameters: $U_i = 30 \text{ V}$; $I_i = 132 \text{ mA}$; $P_i = 0.99 \text{ W}$; $C_i = 370 \text{ nF}$; $L_i = 0.9 \text{ mH}$

Ambient temperature: $T_a = -30^\circ\text{C}$ to $+70^\circ\text{C}$

(16) Report Number: 20/0037/1

(17) Specific Conditions of Use: - Recapitulation

1. Where the other approved supply unit is used, whose output parameters satisfy above mentioned input parameters, it is necessary to have a galvanic separation or, if supply unit without galvanic separation is used (Zener barriers), it is necessary provide potential equalization between sensor and point of barrier earthing.

(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	Sheets	Date	Description
--	71	09.2023	User's manual for EMKOTDR-60

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 09.10.2024

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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.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
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EU - Type Examination Certificate

(1)

(2)

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

(3) EU - Type Examination Certificate number:

FTZÚ 20 ATEX 0037X

(4) Product: **Radar lever meter type EMKOTDR-60Xi (XiT)**

(5) Manufacturer: **EMKOMETER s.r.o.**

(6) Address: **Pod Lipami 340/52a, 130 00 Praha 3 - Žižkov, Czech Republic**

(7) This product and any acceptable variation thereto is specified in the schedule 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 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.

The examination and test results are recorded in confidential Report number:

20/0037 dated 25.05.2020

(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) This certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

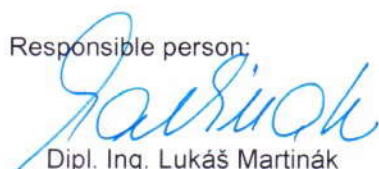
(12) The marking of the product shall include the following:



II 1/2G Ex ia IIB T5 Ga/Gb

This certificate is valid till: **31.07.2024**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.05.2020

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **EU - Type Examination Certificate No. FTZÚ 20 ATEX 0037X**

(15) Description of Product:

The radar level meter type EMKOTDR-60Xi (XiT) consists of two main parts – level meter (body) and display module. It works on principle of electromagnetic wave transmission towards the liquid level where the wave is partially reflected back. The electromagnetic wave is guided by level meter electrode that could be made by rod or rope. The actual distance to the liquid level is indicated with display and current output 4 – 20 mA with HART communication.

Technical parameters:

Maximum input parameters: $U_i = 30 \text{ V}$; $I_i = 132 \text{ mA}$; $P_i = 0.99 \text{ W}$; $C_i = 370 \text{ nF}$; $L_i = 0.9 \text{ mH}$

Ambient temperature: $T_a = -30^\circ\text{C}$ to $+70^\circ\text{C}$

(16) Report Number.: 20/0037

(17) Specific Conditions of Use:

1. Where the other approved supply unit is used, whose output parameters satisfy above mentioned input parameters, it is necessary to have a galvanic separation or, if supply unit without galvanic separation is used (Zener barriers), it is necessary provide potential equalization between sensor and point of barrier earthing.

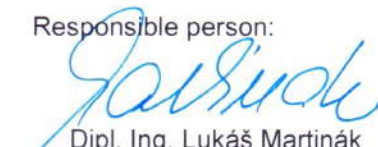
(18) Essential Health and Safety Requirements:

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

(19) Drawings and Documents:

Document name/Drawings:	Date:	Sheets:
Instruction manual EMKOTDR-60	05.2020	40
Drawing No. 229	17.12.2019	1

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 25.05.2020

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