



(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 05 ATEX 0017X

(4) Product: **Immersion level meter type L11.../N.../Ex**

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

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

- (7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 05 ATEX 0017X 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 1/2G Ex ia IIC T4-T6 Ga/Gb

- (12) This certificate is valid till: **31.05.2030**

Responsible person:

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



Date of issue: 14.05.2025

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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 05 ATEX 0017X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Extension of certificate validity.

The subject of this supplementary certificate is extension of certificate validity. The construction and electrical parameters of certified product remain unchanged.

Technical parameters: remain unchanged

(16) Report Number: 05/0017/3

(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 (10) of this supplementary certificate.

(19) Drawings and Documents:

Remain unchanged.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.05.2025

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Physical Technical Testing Institute
Ostrava-Radvanice



(1) **EC-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC**

(3) EC-Type Examination Certificate Number:

FTZÚ 05 ATEX 0017X

(4) Equipment or protective system: **Immersion level meter type L11 ... /N .../EX**

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

(6) Address: **U Prosecké školy 94/6; 190 00 Praha 9; Czech Republic**

(7) This equipment or protective system and any of 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 Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°

05/0017

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 50284:1999

EN 50014:1997

EN 50020:2002

(10) If the sign „X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include following:



II 1/2G EEx ia IIC T4 ... T6

This EC-Type Examination Certificate is valid till: **28.02. 2010**

Responsible person:

Mr. Jaroslav Šindler
Mr. Jaroslav Šindler

Head of certification body



Date of issue: 24 of February 2005

Number of pages: 4

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 05 ATEX 0017X**

(15) Description of Equipment or Protective System:

The level meter type L11 ... /N ... /EX is designed for monitoring of a flammable liquid level in vessels.

The position of a float with permanent magnet is due to electromagnetic field transmitted to the reed contacts of sensors, placed inside of guide tube of the float. The sensors can be type SP1, SP2 and KM intended for limit monitoring of level or type SP4 for continuous monitoring of liquid level.

The guide tube and float are made of stainless-steel, the connection head type XE-DENAW is made of aluminium alloy.

The submersible part of the level meter (float including to guide tube) till fastening flange is designed for use in hazardous area – zone 0, the part of level meter with connection head for use in zone 1.

The level meters are simple devices according to EN 50020, designed for connection into intrinsically safe circuits categories ia or ib.

The input parameters of the intrinsically safe circuit and relation of temperature class and maximum temperature of medium:

Sensors KM, SP1 and SP2:

$U_i = 30 \text{ V}$; $I_i = 100 \text{ mA}$; $L_i = 0$; $C_i = 0$

Temperature class	Max. temperature of medium
T6	80 °C
T5	95 °C
T4	125 °C

Responsible person:


Mr. Jaroslav Sindler

Head of certification body



Date of issue: 24 of February 2005

Number of pages: 4

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 05 ATEX 0017X**

Sensor SP4:

$U_i = 30 \text{ V}$; $I_i = 100 \text{ mA}$; $P_i = 0,9 \text{ W}$; $L_i = 0$; $C_i = 0$

Temperature class	Max. temperature of medium
T6	64 °C
T5	79 °C
T4	109 °C

(16) Report No.: 05/0017

(17) Special conditions for safe use:

Maximum temperature of the connection head is restricted to 100 °C.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9).

Responsible person:


Mr. Jaroslav Šindler

Head of certification body



Date of issue: 24 of February 2005

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14)

EC-Type Examination Certificate N° FTZÚ 05 ATEX 0017X

(19)

LIST OF DOCUMENTATION

- Instruction for use and technical specification ... 3 pages
- El. wiring of the level meter 11 ... 1 page
- Drawings No.:
 - 389 - J1
 - 389 - 35
 - 389 - 01 - ZJ1
 - 389 - 03 - JZ1,2,3
 - 389 - 04 - J1,2,3
 - 389 - 06 - J1,2,3
 - 389 - 07 - JZ 1,2,3
 - 389 - 01 - 07 - JZ1,2,3
 - 389 - 02 - 07 - JZ1,2,3
 - 389 - 03 - 07 - JZ1,2,3
 - 389 - J3
 - 389 - 01 - ZJ3
 - 389 - 01 - 02ZJ - 2,3 - B
 - 389 - J2
 - 389 - 01 - ZJ2
 - 316 602 ÷ 316 679
 - 389 - 01 - 02Z - 2 - 3A
 - 389 - 33
 - 389 - 34
 - 389 - 04 - 01ZJ - 2 - 3





Physical Technical Testing Institute
Ostrava – Radvanice



(1) **Supplement No. 1 to
EC-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:

FTZÚ 05 ATEX 0017X

(4) Equipment or protective system: **Immersion level meter type L11.../N.../Ex**

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

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

(7) This supplement of certificate is valid for:

- prolongation of certificate validity
- application of new standards
- modification of marking
- change producer name
- modification of certified apparatus

(8) Modification of certified apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirements, which manufacturer shall fulfil before products are place on market or introduce in service.

(10) Safety requirements of modified parts were fulfilled by satisfying the following standards:

EN 60079-0:2012, EN 60079-11:2012, EN 60079-26:2007

(11) Marking of equipment shall contain symbols:



II 1/2G Ex ia IIC T4...T6 Ga/Gb

(12) This type examination certificate is valid till: **12.12.2019**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: **12.12.2014**

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This supplement to certificate is granted subject to the general conditions of the FTZÚ, s.p.
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FTZÚ, s.p., Pikartská 1337/7, 716 07 Ostrava-Radvanice, Czech Republic,
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14)

Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 05 ATEX 0017X

(15) Description of Equipment or Protective System:

The equipment type L11 have been modified for use with the type of sensor SP0, SP1, SP2, SP4, ST. The apparatus is manufactured according to the verified documentation shown in the basic certificate and in this Supplement and complies with requirements of upgraded standards mentioned in clause (10). Technical parameters remain valid. The validity of the certificate is prolonged till 12.12.2019.

(16) Report No.: 05/0017/1

(17) Special conditions for safe use: remain valid

(18) Essential Health and Safety Requirements:

Essential health and safety requirement of Directive 94/9/EC are covered by the standards mentioned in clause (10) of this supplement according which the new model was verified and in the manufacturer's Instruction for Using.

(19) List of Documentation:

Documents name/Drawings:	Date:	Nr. of Pages:
L11 Users and technical condition	11.2014	6
389-J1	11.2014	1
389-J2	11.2014	1
389-03-JZ1,2,3	11.2014	1
389-04-JZ1,2,3	11.2014	1
389-06-JZ1,2,3	11.2014	1
389-07-JZ1,2,3	11.2014	1
389-01-07-JZ1,2,3	11.2014	1
389-02-07-JZ1,2,3	11.2014	1
389-04-01ZJ-2-3	11.2014	1
389-01-ZJ2	11.2014	1
389-01-02ZJ-2,3-B	11.2014	1
389-01-02Z-2-3-A	11.2014	1
389-J3	11.2014	1
389-04-01JZ1-2-3	11.2014	1
389-06-J1,2,3	11.2009	1
389-03-JZ1,2,3	11.2014	1
389-04-JZ1,2,3	11.2014	1
389-07-J1,2,3	11.2009	1
389-01-ZJ3	11.2014	1
389-33	11.2014	1
Dimensional drawing: _1 rev.2	11.2014	1

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.12.2014

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Physical-Technical Testing Institute
Ostrava - Radvanice



(1) **Supplementary EU - Type Examination Certificate No.2**

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

(3) EU - Type Examination Certificate number:

FTZÚ 05 ATEX 0017X

(4) Product: **Immersion level meter type L11.../N.../Ex**

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

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

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 05 ATEX 0017X 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:

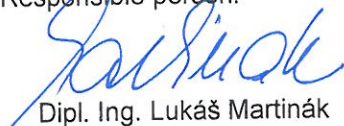
EN IEC 60079-0:2018, EN 60079-11:2012

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

 **II 1/2G Ex ia IIC T4-T6 Ga/Gb**

(12) This certificate is valid till: **29.01.2025**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.01.2020

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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 05 ATEX 0017X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards.
- Prolongation of certificate validity.

The Immersion level meter type L11 xx/xxx/xxx/xxx/Ex/xxx/xxx/ has been evaluated according to the newest standard EN IEC 60079-0:2018.

On basis of the scope of newest standard EN 60079-26:2015, the standard EN 60079-26 is no longer applied to this product.

Approval documentation has been updated and is mentioned in clause (19).

Technical data remain unchanged.

(16) Report Number.: 05/0017/2

(17) Specific Conditions of Use:

None additional to those listed previously.

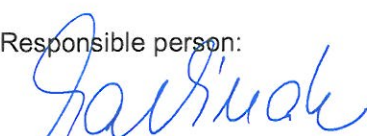
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number:	Sheet:	Date:	Description:
113	5	12.2019	User manual
113-17-12	1	17.12.2019	Drawing

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 29.01.2020

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