



(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 18 ATEX 0117X**

(4) Product: **Inductive flow meter type FLONEX**

(5) Manufacturer: **ELIS PLZEŇ a.s**

(6) Address: **Luční 425/15, 301 00 Plzeň, Czech Republic**

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 18 ATEX 0117X 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 60079-1:2014, EN 60079-7:2015+A1:2018,  
EN 60079-11:2012, EN 60079-31:2014**


(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 2G Ex db eb ib [ib] IIB T6...T3 Gb  
II 2D Ex tb IIIC T80°C...T155°C Db**

(12) This certificate is valid till: **31.12.2028**

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. 1  
to FTZÚ 18 ATEX 0117X**

(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.

(16) Report Number: 18/0117/1

(17) Specific Conditions of Use:

1. Ambient temperature range: - Compact design:  $-35^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$ ;  
- Separate design - the evaluation unit:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +70^{\circ}\text{C}$ ;  
- the inductive sensor type ISx.1xxEx:  $-35^{\circ}\text{C} \leq T_{\text{amb}} \leq +60^{\circ}\text{C}$ .
2. The maximum permitted fluid temperature depends on the pipe lining material; the temperature class and the maximum permitted surface temperature - see Annex No1.
3. The inductive sensor shall be fully flooded at all times.
4. The cable glands shall be only used with Ex protection:
  - Ex db IIB Gb and Ex tb IIIC Db – The evaluation unit
  - Ex eb IIB Gb and Ex tb IIIC Db – The connection boxes.
5. When product is used in the zones 1 or 2 so electronic circuits which are connected to the product have to be limited to overvoltage category I/II according to standard IEC 60664-1.
6. Maximal length of cable between a head part and sensor part of separate design of product have to be lower than 150 m.

(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
Es 90663K	1	28	04.12.2023	User manual FLONEX FXx11x

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



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