



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

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

(3) Type Examination Certificate number:

FTZÚ 13 ATEX 0189X

(4) Product: **Programmable sensor type T3110Ex, T3111Ex and T3113Ex**

(5) Manufacturer: **COMET SYSTEM, s.r.o.**

(6) Address: **Bezručova 2901, 756 61 Rožnov pod Radhoštěm, Czech Republic**

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 13 ATEX 0189X 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 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 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

(9) In accordance with Article 41 of Directive 2014/34/EU, 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 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:

 **II 3G Ex ic IIC T6 Gc**

(12) This certificate is valid till: **28.02.2029**

Responsible person:



Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 01.02.2024

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

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(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 and evaluation of the product modification. In the design of the device's enclosure, the ABS material is replaced by ASA material with similar properties. The design and technical parameters of the certified product remain unchanged.

Programmable sensors type T311xEx are designed for measuring of temperature, relative humidity and other derived magnitudes. Values are displayed on two lines display.

The electronic of apparatus is placed on PCB inside plastic box. The apparatus communicates by two galvanically isolated current loops 4 - 20 mA, the first loop is designed for supply of apparatus.

There is a change in the material of the enclosure without affecting the existing equipment protection level (EPL)

Intrinsically safe parameters (unchanged):

Power supply (+I1, -I1; +I2, -I2): $U_i = 30 \text{ V}$, $I_i = 100 \text{ mA}$, $P_i = 1 \text{ W}$

Output (+I1, -I1; +I2, -I2): $I_o = 22 \text{ mA}$

Ambient temperature: $T_a = -30^\circ\text{C}$ to $+60^\circ\text{C}$

(16) Report Number: 13/0189/2

(17) Specific Conditions of Use:

1. Under certain extreme circumstances, the plastic enclosure may store an ignition-capable level of electrostatic charge. The device shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge. The equipment shall only be cleaned with a damp cloth.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Physical-Technical Testing Institute
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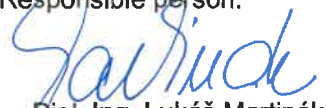
(18) Essential Health and Safety Requirements:

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	Sheets	Date	Description
S-SNC-T3110EX-SESTAVENI-SLDDRW-02	1	20.05.2022	ASSEMBLY T13110Ex
S-SNC-T3111EX-SESTAVENI-SLDDRW-02	1	20.05.2022	ASSEMBLY T13111Ex
S-SNC-T3113EX-SESTAVENI-SLDDRW-02	1	20.05.2022	ASSEMBLY T13113Ex
I-SNC-T3110x-11	18	01.2024	User manual
I-SNC-T31131-15	22	01.2024	User manual
I-SNC-T31103(7)-12	21	01.2024	User manual
IE-SNC-N-T311xEx-08	2	01.2024	ATEX User Manual

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Head of Certification Body



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