



(1) **Supplementary Type Examination Certificate No. 3**

(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**

 **II 3D Ex ic IIIB T85°C Dc**

(12) This certificate is valid till: **30.11.2029**

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 19.11.2024

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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  
Ostrava - Radvanice**

(13)

**Schedule**

(14)

**Supplementary Type Examination Certificate No. 3  
to FTZÚ 13 ATEX 0189X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Modification of marking of certified product, extension for explosive atmosphere with dust;
- Extension of certificate validity.

The subject of this supplementary certificate is extension of certificate validity and modification of marking of certified product, extension of validity for explosive atmosphere with dust for Group IIIB and evaluation of above mentioned modifications. The design and technical parameters of the certified product remain unchanged and are valid for Group IIIB too.

Description of the Product (recapitulation)

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.

The use of the product is extended for explosive atmospheres with dust group IIIB with the maximum surface temperature  $T=85^{\circ}\text{C}$ . The existing equipment protection level (EPL) Gc is maintained and extended by level Dc.

Intrinsically safe parameters (unchanged, valid for EPL Gc and Dc):

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: 13/0189/3

Responsible person:

  
Dipl. Ing. Lukáš Martinák

Head of Certification Body



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(17) Specific Conditions of Use (extended, valid for EPL Gc and Dc):

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.
2. When using the product T3113Ex in an explosive atmosphere, it is necessary to ground the metal stem of the product with the included accessories according to the instructions.


(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 T3110Ex
S-SNC-T3111EX-SESTAVENI-SLDDRW-02	1	20.05.2022	ASSEMBLY T3111Ex
S-SNC-T3113EX-SESTAVENI-SLDDRW-03	1	19.11.2024	ASSEMBLY T3113Ex
I-SNC-T3110-13	18	11.2024	User manual
I-SNC-T3111-17	22	11.2024	User manual
I-SNC-T3113(7) -14	21	11.2024	User manual
I-SNC-N-T311xEx-09	2	11.2024	ATEX User Manual
s-snc.T311xEx-štítky-cdr-01	1	08.11.2024	Labels T311xEx

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