Physical Technical Testing Institute
Ostrava – Radvanice

Type Examination Certificate

(1)

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

(3) Type Examination Certificate Number:

FTZÚ 13 ATEX 0189X

(4) Equipment: **Programable sensor type T3110Ex, T3111Ex and T3113Ex**

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

(6) Address: **1. máje 1220, 756 61 Rožnov pod Radhoštěm, Czech Republic**

(7) This equipment 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, 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 Category 3 equipment, which is intended for use in potentially explosive atmospheres given in Annex II to the Council Directive 94/9/EC.

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

13/0189 dated 28.01.2014

(9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:

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

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

(11) This 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 the following:

II 3G Ex ic IIC T6 Gc

This Type Examination Certificate is valid till: **31.01.2019**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

Date of issue: 31.01.2014

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

(13) **Schedule**

(14) **Type Examination Certificate N° FTZÚ 13 ATEX 0189X**

(15) Description of Equipment:

Programable sensors type T311xEx are designed for measuring of temprature, relative humidity and other derived magnitudes. Values are displayed on two lines display.
The electronic of apparatus is placed on PCB inside plastix box. Teh apparatus communicates by two galvanically separated current loop 4-20mA, the first loop is designed for suuply of apparatus.

Intrinsically safe parameters:
Power supply (+I1, -I1; +I2, -I2):
Ui = 30V, Ii = 100mA
Output (+I1, -I1; +I2, -I2):
Io = 22mA

Ambient temperature: Ta = -30°C to +60°C

(16) Report No.: 13/0189

(17) Special conditions for safe use:

17.1 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.

(18) Essential Health and Safety Requirements:

Essential health and safety requirement of Directive 94/9/EC are covered by the standard mentioned in (9), according which the product was verified and in the manufacturer's instruction for use.

Responsible person:
Dipl. Ing. Lukáš Martinák
Head of Certification Body

Date of issue: 31.01.2014

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(13) **Schedule**

(14) **Type Examination Certificate N° FTZÚ 13 ATEX 0189X**

(19) List of Documentation:

Document/Drawing:	*Date of issue:*	*Nr of pages:*
I-SNC-T3111-11	29.03.2011	24
I-SNC-T3113(7)-08	29.03.2011	20
I-SNC-T3110-07	29.03.2011	20
s-snc-T311xEx-sch-01	29.03.2011	1
s-snc-T311xEx-sch-03	29.03.2011	1
S-SNC-T3110-SESTAVENI-CDR-02	21.08.2007	3
S-SNC-T3113-SESTAVENI-dwb -01	21.08.2007	1
S-SNC-T3110-SESTAVENI-CDR-01	15.09.2005	1
S-SNC-T3111-SESTAVENI-CDR-01	15.09.2005	1
s-SNC-T3113-SESTAVA-dwb-01	06.04.2012	1
S-SNC-exter.sonda-sestavení-dwg-01	22.01.2010	1
ATEX analyse	21.10.2013	5
s-snc-SNC4xx-sch-03	29.03.2011	1
List of used components	21.10.2013	14

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

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