



EC-Type Examination Certificate

- (1)
(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:

FTZÚ 15 ATEX 0022X

(4) Equipment: **Gas detector type NSx-yL III, NSx-yL III LCD, NSx-yL III LCD RE**

(5) Manufacturer: **DEGA CZ s.r.o.**

(6) Address: **K Žižkovu 9/640, 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°:

15/0022 dated 14.09.2015


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

EN 60079-0:2012, EN 60079-1:2007

(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.

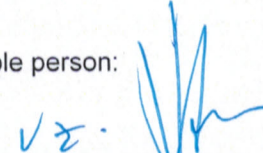
(11) This EC-Type Examination Certificate relates only to the design, examination and testing of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system.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

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

 **II 2G Ex d IIB+H2 T6 Gb**

This EC-Type Examination Certificate is valid till: **14.09.2020**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.09.2015

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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) **EC-Type Examination Certificate N° FTZÚ 15 ATEX 0022X**

(15) Description of Equipment:

The gas detector type NSx-yL III, NSx-yL III LCD and NSx-yL III LCD RE consists of cover and enclosure bottom made by aluminium alloy. Enclosure is equipped with electronic circuits. Stainless steel sensing head with sinter is screw in to the enclosure. Enclosure and head are protected by type of protection "d" - flameproof enclosure. The enclosure is alternatively equipped with a sight glass for display.

An enclosure is equipped with two M20 x 1.5 threaded holes for installation of appropriate certified Ex equipment cable glands.

The measuring function according to annex II paragraph 1.5.5 of the directive 94/9/EC is not matter of this EC-Type Examination.

Technical specification:

Nominal voltage: 8 VDC + 30 VDC

Maximum input power 3.7 W

Outputs:

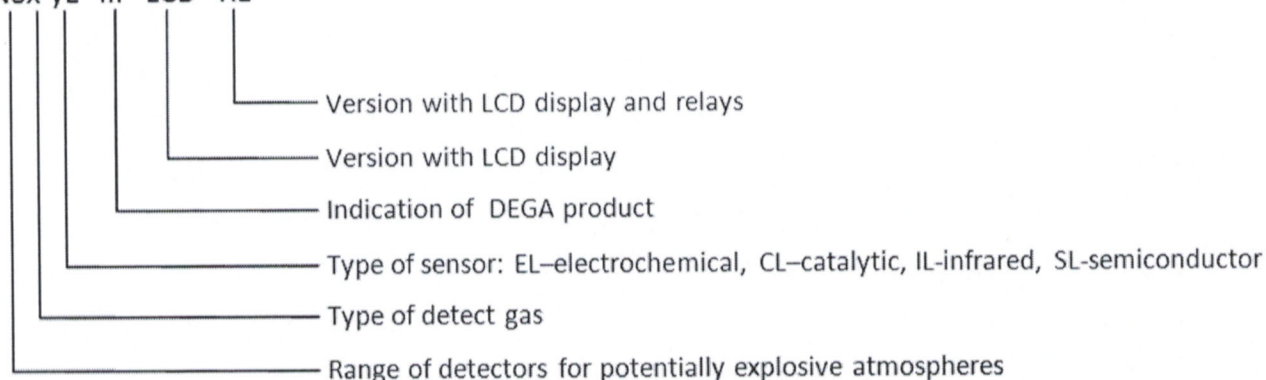
Current loop 4-20 mA

RS485

relay, Maximal load 250 V/3 A (type NSx-yL III LCD RE)

Type key:

NSx-yL III LCD RE



Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.09.2015

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Physical Technical Testing Institute
Ostrava – Radvanice

(13) **Schedule**

(14) **EC-Type Examination Certificate N° FTZÚ 15 ATEX 0022X**

(16) Report No.: 15/0022

(17) Special conditions for safe use:

17.1 Ambient temperature range: $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$.

17.2 Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.

17.3 Fasteners with a minimum property class A4-80 must be used for the closing of flameproof enclosure cover.

(18) Essential Health and Safety Requirements:

They are included in standards, which are mentioned in clause (9) of this certificate according which was equipment certified and in the documentation elaborated by manufacturer.

(19) List of Documentation:

<i>Document No.:</i>	<i>Date:</i>
User Manual DEGANSx-yLIII version 01	08.09.2015
User Manual DEGANSx-yLIII LCD version 01	08.09.2015
User Manual DEGANSx-yLIII LCD RE version 01	08.09.2015
Construction description of enclosure NSx-yL III	24.08.2015
SEL 14 001	09/2014
SEL 14 002	05/2014
SEL 14 003	05/2014
SEL 14 004	05/2014
SEL 14 005	05/2014
SEL 14-0006	01.09.2015
SEL 1407	05/2015
SEL 1408	05/2015
SEL 1409	05/2015
SEL 1410	05/2015
SEL 1411	05/2015
SEL 1412	05/2015
SEL 14-0007/0008	01.09.2015
SEL 1502	05/2015

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(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 15 ATEX 0022X

(4) Product: **Gas detector types NSx-yL III, NSx-yL III LCD, NSx-yL III LCD RE and
NSx-PL III PID; NSx-PL III PID LCD, NSx-PL III PID LCD RE**

(5) Manufacturer: **DEGA CZ s.r.o.**

(6) Address: **Malešická 2850/22c, 130 00 Praha 3, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 15 ATEX 0022X 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, 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:

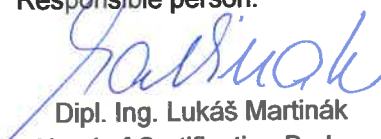
EN 60079-0:2012+A11:2013, EN 60079-1:2014

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

 **II 2G Ex db IIB+H2 T6 Gb**

(12) This certificate is valid till: **02.11.2023**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 02.11.2018

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

Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 15 ATEX 0022X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation of the products according to the new edition of the standard EN 60079-1:2014.
- Prolongation of certificate validity.
- Change of the manufacturer address.
- Extension of the gas detector type series by types NSx-PL III PID; NSx-PL III PID LCD and NSx-PL III PID LCD RE.

Construction and technical parameters of the detectors type NSx-yL III; NSx-yL III LCD, NSx-yL III LCD RE remain unchanged.

The gas detector type NSx-yL PID III, NSx-yL III PID LCD a NSx-yL III LCD PID RE consists of cover and enclosure bottom made by aluminium alloy. Enclosure is equipped with electronic circuits. Stainless steel sensing head with sinter is screw in to the enclosure. Enclosure and head are protected by type of protection "d" - flameproof enclosure. The enclosure is alternatively equipped with a sight glass for display. An enclosure is equipped with two M20 x 1.5 threaded holes for installation of appropriate certified Ex equipment cable glands.

The measuring function according to annex II paragraph 1.5.5 of the directive 2014/34/EU is not matter of this document.

Technical specification:

Nominal voltage: 8 VDC ÷ 30 VDC

Maximum input power 3.7 W

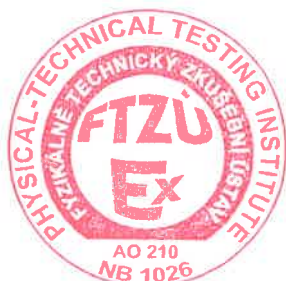
Outputs: Current loop 4-20 mA

RS485

Relay; Maximal load 250 V/3 A (type NSx-yL III (PID) LCD RE)

Responsible person:


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Head of Certification Body



Date of issue: 02.11.2018

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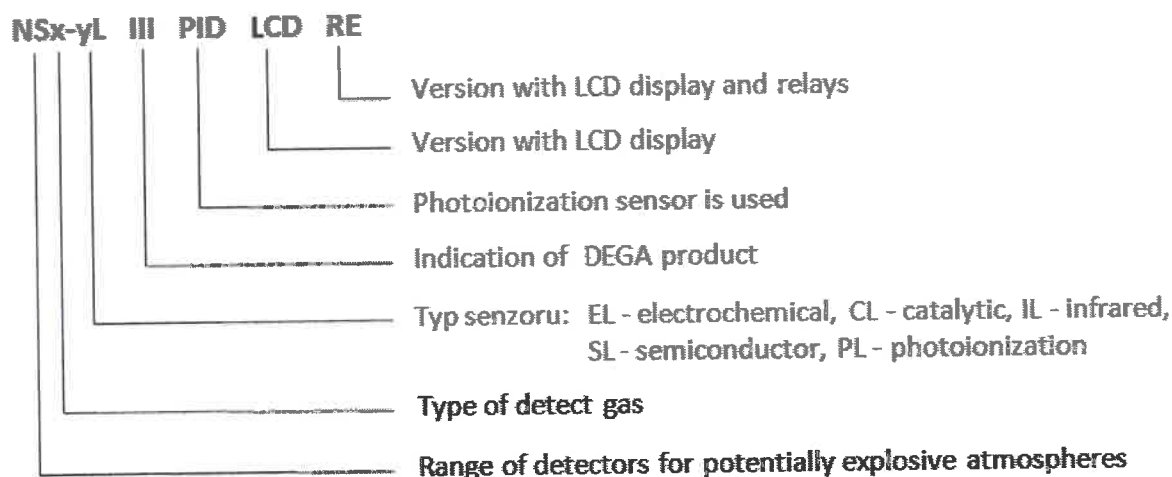
Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 15 ATEX 0022X**

(15) Description of the variation to the Product:

Type key:



(16) Report Number.: 15/0022/1 dated 02.11.2018

(17) Specific Conditions of Use:

1. Ambient temperature range: $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$.
2. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.
3. Fasteners with a minimum property class A4-80 must be used for the closing of flameproof enclosure cover.

(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.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 02.11.2018

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Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 15 ATEX 0022X**

(19) Drawings and Documents:

Number	Sheets	Date	Description
07DEGANSx-yLIII	13	31.10.2018	User Manual DEGA NSx-yL III
07DEGANSx-yLIII LCD	20	31.10.2018	User Manual DEGA NSx-yL III LCD
07DEGANSx-yLIII LCD RE	20	31.10.2018	User Manual DEGA NSx-yL III LCD RE
--	5	28.02.2018	Technical Report (PID Sensor Extension)
SEL 17 22	1	12/2017	Drawing

Responsible person:


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