



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

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

(3) EU - Type Examination Certificate number:

FTZÚ 10 ATEX 0164X

(4) Product: **Gas Sensor type XD1/XD1win-F6**

(5) Manufacturer: **GDS Technologies Ltd.**

(6) Address: **Fusion point, Ash Lane, Garforth, Leeds, LS25 2GA, England**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 10 ATEX 0164X 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) 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 IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014

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 IIC T6...T5 Gb**
 **II 2D Ex tb IIIC T85°C...T100°C Db**

(12) This certificate is valid till: **31.03.2031**

Dipl. Ing. Lukáš Martinák
Representative of Notified Body No. 1026



Date of issue: 27.03.2026

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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 10 ATEX 0164X**

(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: 10/0164/3

(17) Specific Conditions of Use:

None additional to those listed previously.

(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:

Remain unchanged.

Dipl. Ing. Lukáš Martinák
Representative of Notified Body No. 1026



Date of issue: 27.03.2026

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Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 00 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz



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

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

(3) EU - Type Examination Examination Certificate number:

FTZÚ 10 ATEX 0164X

(4) Product: **Gas Sensor type XD1/XD1win-F6**

(5) Manufacturer: **GDS Technologies Ltd.**

(6) Address: **Fusion Point, Ash Lane, Garforth, Leeds, LS25 2GA, England**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 10 ATEX 0164X 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) 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 IEC 60079-0:2018; EN 60079-1:2014; EN 60079-31:2014

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 IIC T6...T5 Gb**

 **II 2D Ex tb IIC T85°C...T100°C Db**

(12) The certificate is valid till: **31.08.2026**

Responsible person:

V. Z. Jg. 01

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.08.2021

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

Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 10 ATEX 0164X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the new edition of the standard: EN IEC 60079-0:2018.
- Prolongation of certificate validity.
- Update of documentation.

Construction of the equipment remains unchanged.

(16) Report Number.: 10/0164/2

(17) Specific Conditions of Use:

1. The measuring function according to Annex II paragraph 1.5.5 of the Directive 2014/34/EU is not matter of this EU-Type Examination.
2. Ambient temperature range and temperature class:
-20°C ≤ Ta ≤ +50°C for temperature class T6.
-20°C ≤ Ta ≤ +65°C for temperature class T5.
3. The IP protection is normally IP63, when using the weather shield IP64 is achieved.
4. For getting information on the dimensions of the flameproof joints the manufacturer shall be contacted.

(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:

U z. J. g. g.

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.08.2021

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Physical-Technical Testing Institute
Ostrava - Radvanice

Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 10 ATEX 0164X**

(19) Drawings and Documents:

Number	Revision	Pages	Date	Description
C1010C 257DIC	--	1	--	User's guide
257.M.1.C	B	1	28/11/16	Drawing
257.M.2.C	B	1	21/4/10	Drawing
257.m.4.c	E	1	14/10/19	Drawing

Responsible person:

U z. gyan

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.08.2021

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Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, The Czech Republic,
tel.: +420 595 223 111, +420 604 203 525, ftzu@ftzu.cz, www.ftzu.cz



(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 Examination Certificate number:

FTZÚ 10 ATEX 0164X

(4) Product: **Gas Sensor type XD1/XD1win-F6**

(5) Manufacturer: **GDS Technologies Ltd.**

(6) Address: **Fusion Point, Ash Lane, Garforth, Leeds, LS25 2GA, England**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 10 ATEX 0164X 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) 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; EN 60079-31:2014

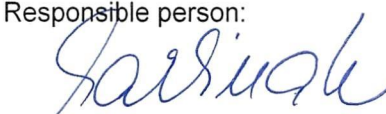
(11) The marking of the product shall include the following:

 **II 2G Ex db IIC T6...T5 Gb**

 **II 2D Ex tb IIC T85°C...T100°C Db**

(12) The certificate is valid till: **31.01.2022**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.01.2017

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

(13)

Schedule

(14)

**Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 10 ATEX 0164X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the new editions of the standards: EN 60079-0:2012+A11:2013; EN 60079-1:2014; and EN 60079-31:2014.
- Prolongation of certificate validity.
- Gas sensor type XD1/XD1win-F6 can be used in ambient temperature up to +65°C. Temperature classes and ambient temperature ranges are given in special conditions of use. Rest of Technical parameters of equipment remain unchanged.

Construction of the equipment remains unchanged.

(16) Report Number.: 10/0164/1

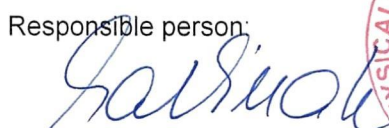
(17) Specific Conditions of Use:

1. The measuring function according to Annex II paragraph 1.5.5 of the Directive 2014/34/EU is not matter of this EU-Type Examination.
2. Ambient temperature range and temperature class:
-20°C ≤ Ta ≤ +50°C for temperature class T6.
-20°C ≤ Ta ≤ +65°C for temperature class T5.
3. For getting information on the dimensions of the flame proof joints the manufacturer shall be contacted.

(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: 31.01.2017

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

**Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 10 ATEX 0164X**

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
C1010C 257DIC	--	1	--	Manual
257.M.1.C	B	1	28/11/16	Drawing
257.M.2.C	B	1	21/4/10	Drawing
257.m.4.c	C	1	28/11/16	Drawing

Responsible person:

Date of issue: 31.01.2017


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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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 10 ATEX 0164X

(4) Equipment or protective system: **XD1/XD1win-F6 gas sensor**

(5) Manufacturer: **GDS Technologies Ltd.**

(6) Address: **Fusion Point, Ash Lane Garforth Leeds, LS25 2GA, England**

(7) This equipment or protective system and any 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°: 10/0164 dated July 2010

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

EN 60079-0:2009; EN 60079-1:2007; EN 60079-31:2009;

(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 IIC T6 Gb**
 **II2D t IIIC T85°C Db**

This EC-Type Examination Certificate is valid until: **31.07.2015**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 19.07.2010

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 10 ATEX 0164X**

(15) Description of Equipment or Protective System:

The XD1/XD1win-F6 gas detector consist of the flameproof enclosure (XDI, manufactured by LIMATHERM, S.A, Poland) equipped with electronics circuits and the flameproof toxic/oxygen/flammable gas sensor F6 (manufactured by GDS Technologies Ltd.) which is mounted in the threaded opening in the enclosure. The thread M20x1.5, 6H/6g is a flameproof threaded joint.

The enclosure is alternatively equipped with a sight for a display.(marked as XD1win).

The cable input is realized through flameproof cable gland.

All components are separately certified with its own certificates as flameproof construction Ex d IIC.

The enclosure is supported by a flameproof cable entry, certified according directive 94/9/EC.

Technical specification:

Power supply:	15 to 30 V DC
Outputs:	3 wire (4-20 mA)
	4 wire (Addressable)

(16) Report No. : 10/0164

(17) Special conditions for safe use:none

17.1 The measuring function according to annex II, § 1.5.5 of the directive 94/9/EC is not matter of this type examination.

17.2 The ambient temperature is limited from -20°C to +35°C.

17.3 The IP protection is normally IP63, when using the weather shield IP64 is achieved.

17.4 Maximum design gaps of flameproof joints are smaller than maximum permitted gaps according to the standards. Verified values of design gaps are mentioned in the documentation, a list of which is given in clause (19) of this certificate.

(18) Essential Health and Safety Requirements:

There are no relevant requirements other than those referred to in the standards listed in (9) of this certificate and in the instruction manual of the manufacturer.

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 19.07.2010

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 10 ATEX 0164X**

(19)

LIST OF DOCUMENTATION

<i>Documentation:</i>	<i>Description:</i>	<i>Date</i>
Ref C958A	Specification sheet	
Ref C959A	Specification sheet	
C893i.L	Combi/XDI-XDIwin Flammable Sensor - Set up procedure:198D1C	
C894i.L	Combi/XDI-XDIwin Flammable Sensor - Set up procedure:204D1C	
257.M.1.C	XD1win+F6 - General Arrangment	21.4.10
257.M.2.C	XD1+F6 - General Arrangment	21.4.10
257.M.3.C	XD1/XD1win+F6 – Label mounting detail	21.4.10
257.M.4.C	XD1/XD1win+F6 – Label detail	21.4.10
257DIC/A/C1010	XD1/XD1win+F6 Hazardous area gas sensor - description	--

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 19.07.2010

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