



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

(2) **Component Intended for use on/in an Equipment or Protective System
Intended for use in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 14 ATEX 0004U

(4) Product: **Connection head type XD – SD...,XD-SH...,XD-SB...,XD-S**win series
Field transmitter housing XD-SDF..., XD-SHF...,XD-SBF...,XD-S***Fwin series**

(5) Manufacturer: **Limatherm Components Sp. z o.o.**

(6) Address: **ul. Źelazna 5, 41-506 Chorzów, Poland**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 14 ATEX 0004U 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

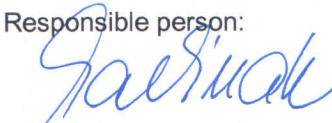
The sign „U“ is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

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

 **I M2 Ex db I Mb
II 2G Ex db IIC Gb
II 2D Ex tb IIIC Db**

(12) This certificate is valid till: **31.03.2027**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 01.03.2022

Page: 1/3

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 EU - Type Examination Certificate No. 2
to FTZÚ 14 ATEX 0004U**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standard EN IEC 60079-0:2018;
- Extension of certificate validity.

Design of the flameproof enclosure remains unchanged.

The component is verified according to the standard EN IEC 60079-0:2018.

(16) Report Number: 14/0004/2

(17) Schedule of Limitations:

1. Max. number, size and position of apertures are given in Application manual dated 01.03.2022.
2. For information on the dimensions of the flameproof joints the manufacturer shall be contacted.
3. Apparatus installed inside of Ex component can has any lay-out which ensures that in any crosssection area will be least 40% (Group IIC) and 20% (Group I) of area free
4. Appropriate certified cable glands for direct entry have to be used.
5. The process threaded joint D1 shall be verified according to EN 60079-31, cl. 5.1.2 for final installation as an equipment.
6. Degree of IP protection meets protection IP66 and IP68 (IP68 for deep 1 m) - it depends on the elements used (details in point number 10 of the Application Manual).
7. Range of service temperature:
 - 50°C ≤ Ts ≤ +150°C for "O" ring made from VQM rubber (silicone);
 - 20°C ≤ Ts ≤ +200°C for "O" ring made from fluoroelastomer FKM;
 - 50°C ≤ Ts ≤ +85°C for XD-S**win with VQM rubber;
 - 20°C ≤ Ts ≤ +85°C for XD-S**win with FKM rubber.
8. The Ex component is applicable for electrical apparatus, designed for ambient temperature not exceeding following range:
 - 1) **Connection head type XD-S** series:**
 - a) -50°C ≤ Ta ≤ +200°C for XD-SD...series;
 - b) -50°C ≤ Ta ≤ +85°C for XD-SD...win series.
 - 2) -50°C ≤ Ta ≤ +60°C for **Field transmitter housing XD – S**F... series** with and without glass window.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 01.03.2022

Page: 2/3

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



Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 14 ATEX 0004U**

(17) Schedule of Limitations (continuation):

9. The reference pressure (RP) for $T_a = -50^{\circ}\text{C}$ was measured 9.98 bars. Max. overpressure static test is 41 bars (4 times RP) with glass window and 100 bars without glass window.
10. The Ex component must be installed to avoid a risk from propagating brush discharges for application in explosive dust atmosphere.
11. It is not allowed to install circuit breaker or contactors with oil filling and rotating apparatus producing turbulence inside of the enclosure.

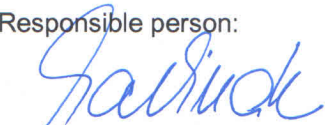
(18) Essential Health and Safety Requirements:

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	Revision	Sheets	Date	Description
--	-	23	01.03.2022	Application manual
2-ZL3558	b	1	04.01.2022	Drawing XD-SDEH
2-ZL3559	b	1	04.01.2022	Drawing XD-SD
2-ZL3560	b	1	04.01.2022	Drawing XD-SDFEH
2-ZL3561	b	1	04.01.2022	Drawing XD-SDF
2-ZL3567	b	1	04.01.2022	Drawing XD-SH
2-ZL3568	b	1	04.01.2022	Drawing XD-SB
2-ZL3569	b	1	04.01.2022	Drawing XD-SHEH
2-ZL3570	b	1	04.01.2022	Drawing XD-SBEH
2-ZL3571	b	1	04.01.2022	Drawing XD-SHF
2-ZL3572	b	1	04.01.2022	Drawing XD-SBF
2-ZL3573	b	1	04.01.2022	Drawing XD-SHFEH
2-ZL3574	b	1	04.01.2022	Drawing XD-SBFEH
2-Z-L3999	b	1	04.01.2022	Drawing XD-SDwin
2-Z-L4085	b	1	04.01.2022	Drawing XD-SHwin
2-Z-L4086	b	1	04.01.2022	Drawing XD-SBwin
2-Z-L4087	b	1	04.01.2022	Drawing XD-SDFwin
2-Z-L4088	b	1	04.01.2022	Drawing XD-SHFwin
2-Z-L4089	b	1	04.01.2022	Drawing XD-SBFwin

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 01.03.2022

Page: 3/3

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.