



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

(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 15 ATEX 0142U

(4) Product: **Universal two-compartments instrument housing type:
XD-SID100, XD-SID100win, XD-SID100Lwin**

(5) Manufacturer: **LIMATHERM S.A.**

(6) Address: **ul. Tarnowska 1; 34-600 Limanowa; Poland**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 15 ATEX 0142U 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 IIC Db**

(12) This certificate is valid till: **28.02.2026**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.02.2021

Page: 1/3

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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. 1
to FTZÚ 15 ATEX 0142U**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards;
- Prolongation of certificate validity.

Design of the empty flameproof enclosure is unchanged.

Universal two-compartments instrument housing type XD-SID100, XD-SID100win and XD-SID100Lwin is verified according to new standard EN IEC 60079-0:2018.

(16) Report Number: 15/0142/1

(17) Schedule of Limitations:

1. Maximum number of the holes, their sizes and position are specified in Application manual N-L4321 dated 17.11.2020.
2. It is not allowed to install circuit breaker or contactors with oil filling and rotating apparatus producing turbulence inside of the enclosure.
3. For information on the dimensions of the flameproof joints the manufacturer shall be contacted.
4. The empty enclosure is applicable for electrical apparatus, designed for ambient temperature not exceeding following range:
 - a) XD-SID100 from -50°C to +200°C;
 - b) XD-SID100win and XD-SID100Lwin from -50°C to +60°C.
5. The apparatus installed inside of the enclosure can have any layout, ensuring more than 20% (group I) and 40 % (group IIC) of free cross-section.
6. Appropriate certify cable glands for direct entry has to be used.
7. If the Ex- conductor bushing is used, the new-created cylindrical joint has to be tested according to EN 60079-1:2014, cl 15.
8. Component must be installed to avoid a risk from propagating brush discharges for application in explosive dust atmosphere.
9. Service temperature range for type of housing and used sealing ring:

Housing type	Tserv.	
	VMQ rubber	FKM rubber
XD- SID100	-50°C to +150°C	-20°C to +200°C
XD- SID100win, XD-SIDLwin	-50°C to +85°C	-20°C to +85°C

10. The enclosure was verified by over pressure static test 44 bars and 55bars (manufacturer's request) / 10 s. The measured maximum reference pressure was 10.75 bars for Tamb = -50°C.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.02.2021

Page: 2/3



Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 1
to FTZÚ 15 ATEX 0142U**

(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
--	--	2	17.11.2020	Data sheet
N-L4321	--	8	17.11.2020	Application Manual
1-Z-L4299	a	1	17.11.2020	Drawing XD-SID100
1-Z-L4300	a	1	17.11.2020	Drawing XD-SID100win
1-Z-L4325	a	1	17.11.2020	Drawing XD-SID100Lwin

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.02.2021

Page: 3/3



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 0142U

(4) Component: **Universal two-compartments instrument housing type XD-SID100, XD-SID100win, XD-SID100Lwin**

(5) Manufacturer: **LIMATHERM S.A.**

(6) Address: **ul.Tarnowska 1; 34-600 Limanowa; Poland**

(7) This Component 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°:

15/0142 dated 15.12.2015

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

EN 60079-0:2012, EN 60079-1:2014, EN 60079-31:2014

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

(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to design, examination and testing of the specified component in accordance to the Directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.

(12) The marking of the component shall include the following:

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

This EC-Type Examination Certificate is valid till: **31.12. 2020**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 16.12.2015

Page: 1/3

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**Physical Technical Testing Institute
Ostrava – Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 15 ATEX 0142U**

(15) Description of Component:

The component XD-SID100... series are designed to accommodate various electronic instruments or device and electric power supply, working in hazardous areas.

The housing and cover are made of stainless steel and cover is fixed with thread M100x2 6H/6g which made a flameproof joint .The cover is eventually designed with a window. The housing includes two spaces separated by baffle with hole Ø22H8 for alternative using of Ex d conductor bushing.

The process opening D₁, can be equipped by following threaded holes: M20x1,5; M24x1,5; M25x1,5; M27x2; 1/2NPTmod and 3/4NPTmod. The conduit openings D₂ D₃ can be equipped by following threaded holes: M20x1,5;M24x1,5;M25x1,5; 1/2NPTmod and 3/4NPTmod. The unused holes can be blinded with a certified stopping plug.

(16) Report No.: 15/0142

(17) Schedule of Limitations:

- 17.1 Max. numbers of holes, their size and position are given in Application manual N-L4321.
- 17.2 The enclosure with Ex component certificate can be applicate only by assumption of filling requests of the standard EN 60079-1:2014, cl.D.3.10.
- 17.3 Apparatus installed inside of enclosure can has any lay-out, which ensures, that in any cross-section area will be least 20% (group I) and 40% (group IIC) of area free.
- 17.4 Appropriate certify cable glands for direct entry has to be used.
- 17.5 If the Ex- conductor bushing is used, the new-created cylindrical joint has to be tested according to EN 60079-1:2014, cl 15.
- 17.6 Service temperature range for type of housing and used sealing ring:

Housing type	Tserv.	
	VMQ rubber	FKM rubber
XD- SID100	-50°C to +150°C	-20°C to +200°C
XD- SID100win, XD-SIDLwin	-50°C to +85°C	-20°C to +85°C

Responsible person:

Lukáš Martinák
Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 16.12.2015

Page: 2/3

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Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 15 ATEX 0142U**

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9) of this certificate.

(19) List of Documentation:

➤	Application manual	N-L4321		26.05.2015
➤	Data sheet	XD-SID100		11.05.2015
➤	Drawings No.:	XD-SID100	L4299	08.05.2015
		XD-SID100win	L4300	08.05.2015
		XD-SID100Lwin	L4325	08.05.2015

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Page: 3/3

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