IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx FTZU 12.0017U	issue No.:0	Certificate history:
Status:	**Current**		
Date of Issue:	**2012-11-05**	Page 1 of 3	

Applicant: **Limatherm S.A.**
ul. Tarnowska 1
34-600 Limanowa
Poland

Electrical Apparatus: **Universal instrument housing type XD-I; XD-Iwin; XD-IH; XD-IHwin; XD-ILwin**
Optional accessory:

Type of Protection: **Flameproof enclosure, Protection by enclosure "t"**

Marking: Ex d IIC Gb
Ex tb IIIC Db

Approved for issue on behalf of the IECEx Certification Body: Dipl. Ing. Lukáš Martinák

Position: Head of Certification Body

Signature:
(for printed version)

Date: 2012-11-05

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. OSTRAVA-RADVANICE

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

Fyzikalne technicky zkusebni ustav
(Physical -Technical Testing Institute)
Pikartska 7
71607 Ostrava - Radvanice
Czech Republic

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Certificate No.: IECEx FTZU 12.0017U

Date of Issue: **2012-11-05** Issue No.: **0**

Manufacturer: **Limatherm S.A.**
ul. Tarnowska 1
34-600 Limanowa
Poland

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:
The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
CZ/FTZU/ExTR12.0017/00

Quality Assessment Report:

CZ/FTZU/QAR11.0004/00

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Schedule

EQUIPMENT:
Equipment and systems covered by this certificate are as follows:

Equipment is certificated as component.
Universal instrument housing type XD-I, XD-Iwin, XD-IH, XD-IHwin and XD-ILwin is foreseen to accommodate different electronics devices for working in hazardous areas with flammable gases, vapours and dusts.

The enclosure and cover are made of aluminium pressure die-casting (Mg<6%).
The cover is fixed to the body by thread M100x2. The cover is sealed by "O" ring ELASTOSIL R701/50 (VMQ) or Fluoroelastomer VR1 (FKM) or Tefablock TO SI 431 60A (TPE).
The cover is locked by screw with hex socked using hex spanner.
The cover is alternatively designed with inspection window made of floated glass.
An earth terminal is placed on the body of enclosure.
Schedule of Limitations:
1. Tserv according use seal:
   TPE: Ta:-40÷100/85°C – lower temperature for housing with sight glass
   VMQ: Ta:-40÷100/85°C – lower temperature for housing with sight glass
   FKM: Ta:-20÷200/85°C – lower temperature for housing with sight glass
2. Maximum design gap of flameproof joints are smaller than maximum permitted gaps according to standard. Verified values of design gaps are mentioned in documentation.
3. Max. power dissipation for temperature class T5 and T6 are as follow in Table in the attached document Annex A.

CONDITIONS OF CERTIFICATION: NO

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