



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 13.0026U Issue No: 0 Certificate history:
Issue No. 0 (2013-12-18)

Status: **Current** Page 1 of 3

Date of Issue: **2013-12-18**

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

Electrical Apparatus: **Universal instrument housing type XD- I80, XD-I80win, XD-I80C,XD-I80Cwin**

Optional accessory:

Type of Protection: **Flameproof enclosure, dust protection 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 the Certification Body

*Signature:
(for printed version)*

Date:

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](http://www.iecex.com).

Certificate issued by:

Fyzikálně technický zkušební ústav
(Physical -Technical Testing Institute)
Pikartská 7
71607 Ostrava - Radvanice
Czech Republic





IECEX Certificate of Conformity

Certificate No: IECEX FTZU 13.0026U Issue No: 0
Date of Issue: 2013-12-18 Page 2 of 3
Manufacturer: **Limatherm, S.A.**
ul. Tarnowska 1, 34-600 Limanowa
Poland

Additional 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/ExTR13.0026/00

Quality Assessment Report:

CZ/FTZU/QAR11.0004/00



IECEx Certificate of Conformity

Certificate No: IECEx FTZU 13.0026U

Issue No: 0

Date of Issue: 2013-12-18

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

Instrument housing size 80 is foreseen to accommodate different electronic devices for working in hazardous areas with flammable gases, vapours and dust. The enclosure and cover are made of aluminium pressure die-casting (Mg<6%). An earth terminal is placed on the body of enclosure. The cover is fixed to the body by thread M80x1,5. The cover is sealed by „o“-ring. The cover is alternatively designed with inspection window made of floated glass. The threaded holes for flameproof cable gland M20x1,5; M24x1,5; M25x1,5; 1/2NPT mod or 3/4NPT mod are prepared on the body of enclosure. The threaded hole M20x1,5; M24x1,5; M25x1,5; M27x2; 1/2NPT mod or 3/4NPT mod is prepared for thermowell sensor measuring insert. The unused hole is blinded with a stopping plug 1/2NPT or 3/4NPT. The enclosure is coated by chemically resistant XD-I80... paint.

See Application manual No. N-L2525 dated 04.09.2012

Schedule of limitation:

1) Max. number, size and position of apertures – see drawings. 2) After installation of equipment area at least 40% of each cross-section area must remain free. 3) Service temperature according to housing type: XD-I80;XD-I80C: -40°C to +100°C
XD-I80win;XD-I80Cwin: -40°C to +85°C 4) Max. power dissipation for temperature class – see attachment

CONDITIONS OF CERTIFICATION: NO