



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.: issue No.: Certificate history:

Status:

Date of Issue: Page 1 of 3

Applicant: **Barksdale**
3211 Fruitland Avenue
Los Angeles 90058-0043 CA
United States of America

Electrical Apparatus: **Model 425X Flameproof Pressure Transducer**
Optional accessory:

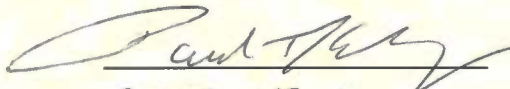
Type of Protection: **Flameproof "d" and Dust Ignition Protection by Enclosure "tb"**

Marking: Ex d IIC 91°C (T5) Gb
Ex tb IIIC T100°C Db IP66

Approved for issue on behalf of the IECEx Certification Body: Paul T. Kelly

Position: Principal Engineer, Global Hazardous Locations

Signature:
(for printed version)


2013-07-12

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:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





IECEX Certificate of Conformity

Certificate No.: IECEX UL 13.0036X

Date of Issue: 2013-07-12

Issue No.: 0

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Manufacturer: **Barksdale**
3211 Fruitland Avenue
Los Angeles 90058-0043 CA
United States of America

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:
US/UL/ExTR13.0035/00

Quality Assessment Report:
FR/LCI/QAR08.0004/03



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Model 425X Flameproof Pressure Transducer consists of pressure sensing elements mounted inside a stainless steel enclosure. The pressure element is welded to the body end and comes in three basic sizes for high, medium and low pressure ranges.

Please see Annex for more details.

CONDITIONS OF CERTIFICATION: YES as shown below:

- Pressure transducers require an appropriate Hazardous Location certified metallic conduit connector certified as Flameproof "d", Dust Ignition Protection "tb" and have a minimum IP66 rating equal to the marking on the the stopping box enclosure.
- Pressure transducers need appropriate connection of the free end of permanently connected cable.

Annex to IECEx 13.0036X Issue 0

Nomenclature

425X 01 P1 Z15 Q1 S
I II III IV V VI

I – Model Designation

II – Pressure Range

01 0-15 PSI
03 0-50 PSI
04 0-100 PSI
05 0-150 PSI
06 0-200 PSI
07 0-300 PSI
08 0-500 PSI
10 0-1000 PSI
11 0-1500 PSI
12 0-2000 PSI
13 0-3000 PSI
14 0-4000 PSI
15 0-5000 PSI
16 0-6000 PSI
17 0-7500 PSI
18 0-10000 PSI
19 0-600 PSI
21 0-30 PSI

- 22 0-60 PSI
- 23 0-29.9 PSI in Hg (Vacuum)
- 24 0-2500 PSI
- 25 0-5 PSI

III – Pressure Port Fitting Thread Options

P1-P12 Optional thread forms per customer requests

Blank 1/4 in. NPT

IV – Modifications

Z15 Calibration in bar

Z17 No pressure port snubber

W Non-standard cable length in inches

ZXXY Non-standard pressure range (10000 PSI maximum)

XX = Significant digits; Y = Number of zeros

V – Options

Q1-Q999 Special requests not affecting flameproof safety elements

VI – Options

S IEC 61000-4-5, Level 4, 4 Kv Surge Immunity