



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

Certificate No.: IECEX KTL 14.0013 Issue No: 0 Certificate history:  
Issue No. 0 (2014-09-05)

Status: **Current** Page 1 of 3

Date of Issue: **2014-09-05**

Applicant: **Power-Genex Ltd.**  
99, Eunbong-ro, Namdong-gu,  
Incheon  
**Korea, Republic of**

Electrical Apparatus: **VALVE POSITION MONITOR LSB-3xxx SERIES**  
*Optional accessory:*

Type of Protection: **Flameproof enclosure "d"**

Marking:  
Ex d IIC T6/T5/T4 Gb  
Tamb : -40°C ~ +75°C(T6), -40°C ~ +90°C(T5), -40°C ~ +110°C(T4)  
Warning : "Potential Electrostatic Charging Hazard - See instructions"

Approved for issue on behalf of the IECEX  
Certification Body:

Kang Ho-woo

Position:

Certification Manager

Signature:  
(for printed version)

Date:

2014-09-05

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:

**Korea Testing Laboratory**  
87, Digital-ro, 26-gil, Guro-gu  
Seoul  
Korea, Republic of





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Manufacturer: **Power-Genex Ltd.**  
99, Eunbong-ro, Namdong-gu,  
Incheon  
**Korea, Republic of**

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 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:5  
**IEC 60079-1 : 2007-04** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:6

*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:

KR/KTL/ExTR14.0012/00

Quality Assessment Report:

KR/KTL/QAR11.0002/00 KR/KTL/QAR11.0002/01



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## Schedule

### EQUIPMENT:

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

LSB 3xxx series valve position monitor transmits the valve position (on/off) at the specific point

Designed to be Ex d IIC explosion proof grades.

<Model Description : Refer to the attachment for more information>

LSB - 3 a b c - d e f g - h i

a(Body material) : 0, 1, 2

b(Switch/sensor) : 0, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, J, K, L, M, P, Q

c(Position transmitter) : 0, T

d(Explosion proof) : A

e(Indicator) : A, B, C, D, N

f(Electrical connections) : A, B, C, D, E, F, G

g(Number of electrical connections) : 2, 3

h(Feedback shaft) : N, F, A, B, C, D

i(Mounting bracket) : N, 1, 2, 3, 4, M

**CONDITIONS OF CERTIFICATION: NO**

### Annex:

Part numbering system.pdf