



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 KTL 13.0010** issue No.: **0** Certificate history: _____

Status: **Current**

Date of Issue: **2013-05-07** Page 1 of 3

Applicant: **Power-Genex Ltd.**
44B9L, 434-9, Nonhyun-Dong, Namdong-Gu, Incheon, 405-849
Korea, Republic of

Electrical Apparatus: **ELECTRO-PNEUMATIC POSITIONER (Model : EPL/EPR series)**
Optional accessory:

Type of Protection: **Flameproof enclosure "d" & Encapsulation "m"**

Marking: **Ex dmb IIC T6/T5 Gb**
Ambient Temperature Range : $-40^{\circ}\text{C} \leq \text{Ta} \leq +55^{\circ}\text{C}$ (for T6), $-40^{\circ}\text{C} \leq \text{Ta} \leq +70^{\circ}\text{C}$ (for T5)

Approved for issue on behalf of the IECEx Certification Body: **Jae-Hee Kim**

Position: **Managing Director**

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:

Korea Testing Laboratory
222-13, Guro-Dong, Guro-Gu
Seoul, 152-718
Korea, Republic of





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Manufacturer: **Power-Genex Ltd.**
44B9L, 434-9, Nonhyun-Dong, Namdong-Gu, Incheon, 405-849
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

IEC 60079-18 : 2004 Electrical apparatus for explosive gas atmospheres - Part 18: Construction, test and marking of type of protection encapsulation 'm' electrical apparatus
Edition: 2.0

*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/ExTR13.0013/00](#)

Quality Assessment Report:

[KR/KTL/QAR10.0002/00](#)

[KR/KTL/QAR10.0002/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Model EPL/EPR Smart valve positioner is an Ex dmb type equipment that is applied in hazardous area, which is used for control of linear and rotary valve position.

And this equipment is operated by a torque motor with 4-20mA input signal.

<Model description>

EP a - bcdefghij

a=actuator action : L - Linear type, R=Rotary type

b=protection class : D - Ex dmb IIC T6

c=feedback lever : N, A, B, C

d=pressure gauge : 1, 2

e=pilot valve orifice : S, M

f=position feedback : N, O, L, P, M, Q

g=connection threads : 3, 4, 5

h=dome indicator(only for rotary type) : N, D

i=ambient temperature : T, H

j=mounting bracket : N, L, R, F, E

For the detailed information, refer to the instruction manual.

CONDITIONS OF CERTIFICATION: NO