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 11.0020 issue No.:0

Certificate history:

Status: **Current**

Date of Issue: **2011-12-09** Page 1 of 3

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

Electrical Apparatus: **Smart Positioner**
Optional accessory:

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

Marking: **Ex d IIC T6 Gb**
Tamb : -30℃ ~ 75℃

Approved for issue on behalf of the IECEx Certification Body: Hee-Soo 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.

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**
44B9L, 434-9, Nonhyun-Dong, Namdong-Gu, Incheon, 405-849
Korea, Republic of

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

*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/ExTR11.0023/00

Quality Assessment Report:

KR/KTL/QAR11.0002/00

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Schedule

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

The SS3 series smart positioner is approved for flameproof enclosure Ex d IIC T6 and can be used for a hazardous area Zone 1 and Zone 2. The SS3 series smart positioner is more durable than the existing SS positioner by using the coil drive instead of a piezo microvalve.

SS3 a - bcdefghi
a = actuator action : L-Linear type, R-Rotary type
b = Ex protection type : F - Flameproof enclosure "d"(Ex d IIC T6)
c = Feedback lever : A, B, C, D, F, N
d = Pressure gauge : 0, 1, 2
e = Position feedback : N, O, L, S, M, Q
f = Communication : N, H, P
g = Pneumatic elcectrical connections : 3, 4, 5
h = Mounting bracket : N, L, R
i = Feedback pin guide : 0, 1

CONDITIONS OF CERTIFICATION: NO