



(Pty) Ltd
Reg No: 1999/027771/07



Government Approved Test
Laboratory
(Previously AIA)

ACCREDITED AND APPROVED TEST LABORATORY

IN TERMS OF:
ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE

TORQMATIC SYSTEMS
PO BOX 1204
BENONI
1500

Issued: **07 May 2012**
*Expire: **07 May 2013**
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Equipment: Smart Positioner
Manufacturer: Power-Genex Ltd
Type: SS3 Series
Serial No: All items imported between Issued and Expire.

Supplied by
TorQmatic Systems
Identified by Inspection Authority number
S-XPL/12.0407

And as described in the Explolabs file number **XPL/13136/12.0407** is hereby certified "Explosion Protected **Ex d IIC T6 Gb Tamb : (-30°C ~ 70°C)**", having been examined and inspected in accordance with the relevant requirements of South African Standards.

SANS 60079-0: 2009 Ed 4 IEC 60079-0: 2007 Ed 5	"Explosive atmospheres, Part 0: General requirements"
SANS 60079-1: 2009 Ed 4 IEC 60079-1: 2007 Ed 6	"Explosive atmospheres, Part 1: Equipment protection by flameproof enclosures 'd' "

Locations	Zone 1	Gas: Surface
Frequency		Intermittent as could occur under normal operation
Environment	Group IIC	Propane to Hydrogen plus Acetylene
Limiting Temp.	T6	85 °C

This certification indicates compliance with R10.1 of the Mines Health and Safety Act and/or EMR 8(1) of the Occupational Health and Safety Act, provided that the apparatus is used as relevant in accordance with:

- i) SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- ii) Any conditions mentioned in the above report;
- iii) Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- iv) Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- v) A revision certificate replaces all previous version of the certificate.
- vi) * - Only covers equipment Imported between the "Issued" and "Expire" dates.
- vii) If and when your QAN (Quality Assurance Notification) Certificate for your equipment manufacturer expires during the valid period of the IA Certification (issued for your equipment) and a new certificate is not submitted the existing IA Certification will then be cancelled. It is thus the client's responsibility to always submit the updated and valid QAN certificate(s) to Explolabs (Pty) Ltd.

1. GENERAL

The Smart Positioner model SS3 Series:

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 electrical connections : 3, 4, 5

h = Mounting bracket : N, L, R

i = Feedback pin guide : 0, 1

Based on the following documentation: IECEx KTL 11.0020 Issue 0

2. SPECIAL CONDITIONS OF USE (X)

None.

3. MARKING

The following marking must be added to the units in a legible and durable manner:

Supplier: TorQmatic Systems

IA Number: S-XPL/12.0407

Rating: Ex d IIC T6 Gb Tamb : (-30°C ~ 70°C)

If the above marking does not appear on the unit, this certificate does not cover it.



P van Staden
TESTING OFFICER