



(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**
Page 1 of 2

Equipment: Valve Monitoring Controller
Manufacturer: Power-Genex Ltd
Type: LSB-7 Series
Serial No: All items imported between Issued and Expire.

Supplied by
TorQmatic Systems
Identified by Inspection Authority number
S-XPL/12.0408 X

And as described in the Explolabs file number **XPL/13136/12.0408** is hereby certified "**Explosion Protected Ex d IIB+H2 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 IIB+H2	Propane to Ethylene plus Hydrogen
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 Valve Monitoring Controller model LSB-7 Series:

LSB-7-series valve monitoring controller with built-in solenoid and more feedback options designed to provide an outstanding performance under harsh working environments.

LSB-7 series

LSB-7 ab - c - de - fgh - ij

a = switch type : 0, 1

b = switch/sensor : N, 0, 2, 4, 6, 7, 8, 9

c = position transmitter : N, O

d = coil type : N, S, D

e = pilot power supply : N, A, B, C

f = indicator option : N, L, T

g = electrical connections : A, B, C, E, F, H, I

h = pneumatic connections : R, N

i = feedback shaft : F, N

j = Mounting bracket : N, R

Based on the following documentation: IECEx KTL 11.0021X Issue 0

2. SPECIAL CONDITIONS OF USE (X)

Warning : Potential Electrostatic Charging Hazard - See Instructions

The non-metallic parts incorporated in the enclosure of this equipment may generate an ignition capable level of electrostatic charge. The equipment shall only be cleaned with a damp cloth.

3. MARKING

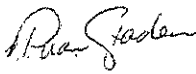
The following marking must be added to the units in a legible and durable manner:

Supplier: TorQmatic Systems

IA Number: S-XPL/12.0408 X

Rating: Ex d IIB+H2 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**