



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



Government Approved Test
Laboratory
(Previously AIA)

ACCREDITED AND APPROVED TEST LABORATORY

(previously referred to as Approved Inspection Authority)

IN TERMS OF:

ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE

EMERSON PROCESS MANAGEMENT
ASVELDWEG 11,
7556 BR HENGELO,
THE NETHERLANDS

Issued: **01 Dec 2013**
*Expire: **01 Dec 2014**
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Revision 4

Equipment: I/p Positioner F20
Manufacturer: EL-O-MATIC B.V.
Type: 368.00.1** or 368.00.6**.....which include part no: 368.90.225
Serial No: All items imported between Issued and Expire dates.
Supplied by

Emerson Process Management

Identified by Inspection Authority number

S-XPL/10.0073

And as described in the Explolabs file number **XPL/11019/10.0073** is hereby certified "Explosion Protected Ex ib IIC T6", having been examined and inspected in accordance with the relevant requirements of South African Standards.

SANS 60079-0: 2005 Ed 3 IEC 60079-0: 2004 Ed 4	"Electrical apparatus for explosive gas atmospheres, Part 0: General requirements"
SANS 60079-11: 2007 Ed 3 IEC 60079-11: 2006 Ed 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

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 9(2) 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 I/p Positioner F20 model 368.00.1** or 368.00.6**

The I/p Positioner F20 Type 368.00.1** or 368.00.6** is intended for position control of pneumatic actuators.

The permitted ambient temperature is -50°C to $+60^{\circ}\text{C}$ for temperature class T4 and -50°C to $+40^{\circ}\text{C}$ for temperature class T6.

Based on the following documentation: TUV 00 ATEX 1565 up to Amendment 2

2. SAFETY PARAMETERS

Supply and signal circuit
Terminal (+, -)

in type of protection Intrinsic Safety EEx ib IIC
only for the connection to certified intrinsically safe circuits
with the following maximum values:

$U_i = 28\text{ V}$

$I_i = 100\text{ mA}$

$P_i = 0.67\text{ W}$

Effective internal inductance 0.1 mH

The effective internal capacitance is negligibly small.

Option Position feedback

Supply and signal circuit
Terminal (+, -)

in type of protection Intrinsic Safety EEx ib IIC
only for the connection to certified intrinsically safe circuits
with the following maximum values:

$U_i = 28\text{ V}$

$I_i = 100\text{ mA}$

$P_i = 0.67\text{ W}$

The effective internal inductance and capacitance are negligibly small.

3. SPECIAL CONDITIONS OF USE (X)

None

4. MARKING

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

Supplier: Emerson Process Management

IA Number: S-XPL/10.0073

Rating: Ex ib IIC T6

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



**P van Staden
TESTING OFFICER**