



Government Approved Test Laboratory
(Previously AIA)

Reg No: 1999/027771/07

ACCREDITED AND APPROVED TEST LABORATORY
IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"

IA CERTIFICATE

MERIAM PROCESS TECHNOLOGIES
10920 MADISON AVENUE
CLEVELAND OH 44102

Issued: **30 May 2014**
*Expire: **30 May 2017**
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Equipment: HART Communicator
Manufacturer: Meriam Process Technologies
Type: 5150X
Serial No: All items imported between Issued and Expire.

Supplied by
Blanes Pressure Solutions CC

Identified by Inspection Authority number
S-XPL/14.0305

And as described in the Explolabs file number **XPL/15061/14.0305** is hereby certified "Explosion Protected **Ex ia IIC T4 Ga**", 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	"Electrical apparatus for explosive gas atmospheres, Part 11: Equipment protection by Intrinsic safety 'i'"
SANS 60079-26: 2007 Ed 2 IEC 60079-26: 2006 Ed 2	Explosive atmospheres – Part 26: Equipment with equipment protection level (EPL) Ga

Locations	Zone 0	Gas: Surface
Frequency		Continuous as could occur under normal operation
Environment	Group IIC	Propane to Hydrogen plus Acetylene
Limiting Temp.	T4	135 °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:

- SANS 10086 and IEC/SANS 61241-14 requirements as applicable;
- Any conditions mentioned in the above report;
- Any relevant requirements and codes of practice enforced in terms of the Mine Health and Safety Act or Occupational Health and Safety Act; and
- Any restrictions and conditions enforced by the Chief Inspector of Mines or the Principal Inspector or the Chief Inspector: Occupational Health and Safety.
- A revision certificate replaces all previous version of the certificate.
- * - Only covers equipment Imported between the "Issued" and "Expire" dates.
- 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 apparatus, a HART Communicator, designated as Model 5150X is a handheld process communicator for use in Class I, Zone 0, and Group IIC T4 with an ambient temperature range of -20°C to +50°C.

It is battery powered by a replaceable battery pack (Meriam part no. Z9A820-X).

Based on the following documentation: IECEx UL 13.0004.

2. SAFETY PARAMETERS

None

3. SPECIAL CONDITIONS OF USE (X)

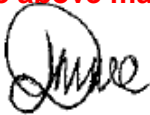
None.

4. MARKING

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

Supplier : Blanes Pressure Solutions CC
Equipment : Proc.Cont.Eq. for hazardous locations
Type : 5150X
IA Number : S-XPL/14.0305
Rating : Ex ia IIC T4 Ga

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



D Maree

Senior Testing Officer

EXPLOLABS EXPLOSION PREVENTION SERVICES

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