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					Olifantsfontein 1665			
3						27 (11) 316 4601 🏾 🦼		
		losion Preventio	n Services	(Pty) Ltd	Fax: +2 E-mail: admin-mgr@	27 (11) 316 5670		
P	Red No:	1999/027771/07				<u>ecxpioidb3.00.2d</u>		
	GOVERNMENT APPROVED TEST LABORATORY IN TERMS OF ARP 0108: "REGULATORY REQUIREMENTS FOR EXPLOSION PROTECTED APPARATUS"							
2					Date Issued:	07 Jun 2017 🏅		
					*Expiry date:	07 Jun 2020		
3						Page 1 of 3 Issue: 0		
	Ex – Type Ex	xamination Co	ertificate					
	Certificate Nur		S-XPL/14.0305					
21	Equipment:		IART Communicator					
5	Model / Type:		150X Ieriam Process Technologies					
	Applicant: Meriam Process Technologies 10920 MADISON AVENUE							
		(	CLEVELAND					
			OH 44102					
	Manufacturer: Meriam Process Technologies				o and all corial			
	Serial No: All serial numbers imported between issued- and expire date and all serial numbers covered by a valid report or acceptable product certification mark.							
3	Supplied by Meriam Process Technologies							
	Identified by Inspection Authority number							
P	S-XPL/14.0305							
And as described in the Exploises file surplus VPL (45004/44,0205 is beach, sertified "Explosion Destants"								
	And as described in the Explolabs file number <b>XPL/15061/14.0305</b> is hereby <u>certified "Explosion Protected</u> <b>Ex ia IIC T4 Ga</b> ", having been examined and inspected in accordance with the relevant requirements of							
31	South African S	tandards.						
	SANS 60079-0: 2012 Ed 5		Explosive atmospheres Part 0: Equipment — General					
P	IEC 60079-0: 2011		requirements					
No.	SANS 60079-11: 2012 Ed 4		Explosive atmospheres Part 11: Equipment protection by					
	IEC 60079-11:		intrinsic safety "i"					
3	SANS 60079-26: 2007 Ed 2 Explosive atmospheres – Part 26: Equipment with equipment protection level (EPL) Ga				nt			
	Risk of ignition		F					
P		Equipment Protection						
	Protection	Level (EPL)		Performance of	Conditions of operation	T class or Max Surface		
	afforded			protection	conditions of operation	Temp (°C)		
3		Group						
		0.	Two indeper	ident means of protection or	Equipment remains	Т4		
P	Very high	Ga Group II		en when two faults occur endently of each other	functioning in zones 0, 1 and 2	T135⁰C		
					_			
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ANNEX TO CERTIFICATE NO S-XPL/14.0305

### **GENERAL**

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vi) vii) The apparatus, a HART Communicator, designated as Model 5150X is a handheld process communicator for use in an ambient temperature range of -10°C to +50°C. It is battery powered by a replaceable battery pack (Meriam part no. Z9A820-X).

#### Temperature range

The ambient temperature range is -10 °C to +50 °C. The lower ambient is marked for functional, not safety, reasons.

# SAFETY PARAMETERS

Intrinsically safe specifications: Um : 5 V

Hart Terminals:

Ui: 30 V li : 200 mA Pi : 1.25 W

Li :0 mH

Ci:0 nF

Based on the following documentation: DEMKO 13 ATEX 1115457.

### INSTALLATION INSTRUCTIONS

It is the manufacturer's responsibility to supply installation instructions with each unit offered for sale as required by IEC/SANS 60079-0 Clause 30.

SPECIAL CONDITIONS FOR SAFE USE (denoted by X after certificate number) None.

### **CONDITIONS OF CERTIFICATION**

All production units must be covered by a QAN (Quality Assurance Notification), Product Mark Scheme or batch evaluation.

### MARKING

The following (or similar) information have to be clearly and permanently marked on all units: iies

Supplier	: Meriam Process Technologies
Manufacturer	: Meriam Process Technologies
Equipment	: HART Communicator
Model/Type	: 5150X
Serial No.	:
Ex Rating	: Ex ia IIC T4 Ga
IA Certificate No	: S-XPL/14.0305

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;

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.

BEPLOLARS **ANNEX TO CERTIFICATE NO S-XPL/14.0305** PAGE 3 OF 3 **Responsible Testing Officer: Reviewed by: H De Wet** D Maree **Testing Officer Senior Testing Officer** EXPLOLABS EXPLOSION PREVENTION SERVICES This report/certificate shall not be reproduced except in full without the written approval of the company Explolabs (Pty) Ltd shall not be liable for any losses or damages sustained on account of any failure or omission to properly perform our duties in terms of any contract undertaken by us. This disclaimer is immutable and automatically incorporated in any contract undertaken by us; notwithstanding anything to the contrary, save for the express written waiver of our managing director. By marking the equipment in accordance with the documentation/standard, the manufacturer attests on his own responsibility that the equipment has been constructed in accordance with the applicable requirements of the relevant standards and that the routine verifications and tests have been successfully completed and that the product complies with the documentation and standard(s). The contents of electronic reports/certificates cannot be guaranteed. Original certification documents will be kept on file at Explolabs (Pty) Ltd

DOCUMENT No: XPL0213 RELEASE DATE: 29/05/2017 REV: 5