



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx UL 13.0065X	issue No.:1	Certificate history: Issue No. 1 (2015-10-2) Issue No. 0 (2013-10-24)
Status:	Current		
Date of Issue:	2015-10-02	Page 1 of 4	
Applicant:	Malema Engineering Corp. Suite H 1060 Holland Drive Boca Raton, FL 33487 United States of America		
Electrical Apparatus: Optional accessory:	M-50X, M-60X, M-100X, M-200X		
Type of Protection:	Intrinsic Safety "ia"		
Marking:	Ex ia IIC T6...T3 Ex ia IIIC T80...T150°C Da		
Approved for issue on behalf of the IECEx Certification Body:	Paul T. Kelly		
Position:	Principal Engineer, Global Hazardous Locations		
Signature: (for printed version)	_____		
Date:	_____		

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America



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Manufacturer:	Malema Engineering Corp. Suite H 1060 Holland Drive Boca Raton, FL 33487 United States of America		
Additional Manufacturing location(s):			
This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.			
STANDARDS: The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:			
IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements		
IEC 60079-11 : 2011 Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "I"		
IEC 60079-26 : 2006 Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga		

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:
US/UL/ExTR13.0068/01

Quality Assessment Report:
US/UL/QAR13.0006/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The M-50X, M-60X, M-100X and M-200X Series flow switches are used to monitor increasing and decreasing flow. They utilize a single moving part which responds to fluid (liquid or gas) flowing within a system.

CONDITIONS OF CERTIFICATION: YES as shown below:

To ensure suitability for Group III, these switches shall be used with a cable fitting having an IECEx Certificate with a minimum IP5X rating.

Warning - Enclosure contains aluminum. Care must be taken to avoid ignition due to impact or friction.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1: Manufacturer is adding an additional encapsulation epoxy. The rated temperature for the new epoxy is -40°C to +145°C. This only affects the "mb" installation/certificates associated with this product. Encapsulation is not relied upon for "I".