



Certificate of Compliance

Certificate: 1412367

Master Contract: 168872

Project: 2658120

Date Issued: February 21, 2014

Issued to: **Metrix Instrument Co.**
8824 Fallbrook Dr.
Houston, TX 77064
USA
Attention: Lance Truong

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



James Lim

Issued by: James Lim

PRODUCTS

CLASS 3218 86 - INDUSTRIAL CONTROL EQUIPMENT-Miscellaneous Apparatus - For Hazardous Locations-Certified to U.S. Standards

CLASS 3218 06 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus - For Hazardous Locations

Class I, Division 1, Groups B, C and D, Class II, Division 1, Groups E, F and G

Model 5550 Series Vibration switches, Contact Ratings: 480 Vac max., 15 A; 250Vdc max., 1/4 A, 15 A, 480 Vac, 1/8 hp, 125 Vac; 1/4 hp, 250 Vac. Enclosure Type 4 or 4X or IP66, TCode T6

Reset Coil Ratings:	Model	Coil, V
	5550-XXX-OX	No coil provided
	5550-XXX-1X	115 V ac, 50/60 Hz, 2.5 A
	5550-XXX-2X	230 V ac, 50/60 Hz, 1.8 A
	5550-XXX-4X	115 V dc, 1.8 A
	5550-XXX-3X	24 V dc, 3.0 A

METRIX DOC NO: 1187273
REV: B



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APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 - General requirements - Canadian Electrical Code, Part II

CAN/CSA-C22.2 No. 14-13 - Industrial Control Equipment

CAN/CSA-C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

CAN/CSA-C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

UL Std No. 508 17th Edition - Industrial Control Equipment

UL Std No. 69812th Edition - Industrial Control Equipment for Use in Hazardous (Classified) Locations

UL Std No. 1203 4th Edition - Explosion-Proof and Bust Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

CAN/CSA Std. C22.2 No.94-M91 (reaffirmed 2011) - Special Purpose Enclosures

UL Standard No. 50, Edition 11 - Enclosures for Electrical Equipment

CAN/CSA C22.2 No. 60529-05 - Degrees of protection provided by enclosures (IP Code)

NEMA/IEC 60529:2004 - Degrees of Protection Provided by Enclosures (IP Code)



Supplement to Certificate of Compliance

Certificate: 1412367

Master Contract: 168872

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
2658120	Feb 21, 2014	Update to report 1412367 to include revised setpoint shaft redesign and casting modification for the 550 series vibration switch and update to IP66 rating based on IECEx ExTR.
2425195	Jul 13, 2011	Update of report 1412367 to include revised drawings for an alternate thermistor.
History		
1412367	March 31, 2003	Original Certification of Vibration switches, Model 5550.

METRIX DOC NO: 1187273 REV: B



The following pages are the prior revisions of this certificate.



Certificate of Compliance

Certificate: 1412367

Master Contract: 168872

Project: 2425195

Date Issued: July 13, 2011

Issued to: Metrix Instrument Co.
8824 Fallbrook Dr.
Houston, TX 77064
USA
Attention: David Dobsky

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



David Wood

Issued by: David Wood

PRODUCTS

CLASS 3218 86 - INDUSTRIAL CONTROL EQUIPMENT-Miscellaneous Apparatus - For Hazardous Locations-Certified to U.S. Standards

CLASS 3218 06 - INDUSTRIAL CONTROL EQUIPMENT - Miscellaneous Apparatus - For Hazardous Locations

Class I, Division 1, Groups B, C and D, Class II, Groups E, F and G

Model 5550 Series Vibration switches, Contact Ratings: 480 Vac max., 15 A; 250Vdc max., 1/4 A, 15 A, 480 Vac, 1/8 hp, 125 Vac; 1/4 hp, 250 Vac. Enclosure Type 4 or 4X or IP65, TCode T6

Reset Coil Ratings:	Model	Coil, V
	5550-XXX-OX	No coil provided
	5550-XXX-1X	115 V ac, 50/60 Hz, 2.5 A
	5550-XXX-2X	230 V ac, 50/60 Hz, 1.8 A
	5550-XXX-4X	115 V dc, 1.8 A
	5550-XXX-3X	24 V dc, 3.0 A

METRIX DOC NO: 1187273
REV: A



Certificate: 1412367

Master Contract: 168872

Project: 2425195

Date Issued: July 13, 2011

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 14-M10 - Industrial Control Equipment

CAN/CSA-C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations

CAN/CSA-C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

UL Std No. 508 17th Edition - Industrial Control Equipment

UL Std No. 69812th Edition - Industrial Control Equipment for Use in Hazardous (Classified) Locations



Supplement to Certificate of Compliance

Certificate: 1412367

Master Contract: 168872

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
2425195	July 13, 2011	Update of report 1412367 to include revised drawings for an alternate thermistor.
History		
1412367	March 31, 2003	Original Certification of Vibration switches, Model 5550.

Certificate of Compliance

Certificate: 1412367 (LR 49334)

Master Contract: 168872

Project: 1412367 (Edition 1)

Date Issued: March 31, 2003

Issued to: **Metrix Instrument Co.**
1711 Townhurst Dr
Houston, TX 77043
USA

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'



Issued by:

Alexander Kandathil
 Alexander Kandathil, C.E.T.
 Certification Specialist

Authorized by:

Terry Nagy
 Terry Nagy
 Operations Manager

CLASS

CLASS 3218 06 Industrial Control Equipment - Miscellaneous Apparatus - For Hazardous Locations
 CLASS 3218 86 Industrial Control Equipment - Miscellaneous Apparatus - For Hazardous Locations - Certified to US Standards.

PRODUCTS

Class I, Division 1, Groups B, C and D, Class II, Groups E, F and G

Model 5550 Series Vibration switches, Contact Ratings: 480 Vac max., 15 A; 250Vdc max., 1/4 A, 15 A, 480 Vac, 1/8 hp, 125 Vac; 1/4 hp, 250 Vac. Type 4 or 4X or IP65; TCode T6

Reset Coil Ratings:	<u>Model</u>	<u>Coil, V</u>
	5550-XXX-OX	No coil provided
	5550-XXX-1X	115 V ac, 50/60 Hz, 2.5 A
	5550-XXX-2X	230 V ac, 50/60 Hz, 1.8 A
	5550-XXX-4X	115 V dc, 1.8 A
	5550-XXX-3X	24 V dc, 3.0 A

APPLICABLE REQUIREMENTS

- CAN/CSA-C22.2 No. 14-M91 - Industrial Control Equipment
- CAN/CSA-C22.2 No. 25-1966 - Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
- CAN/CSA-C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations
- UL Std No. 508 17th Edition - Industrial Control Equipment
- UL Std No. 698 12th Edition - Industrial Control Equipment for Use in Hazardous (Classified) Locations

METRIX DOC NO: 1187273
 REV: A

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1412367 (LR 49334)

Master Contract: 168872

*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
1412367	March 31, 2003	Original Certification Model 5550 series vibration switches.

METRIX DOC NO: 1187273
REV: A