



Certificate of Compliance

Certificate: 1708670

Master Contract: 168872

Project: 2696006

Date Issued: February 13, 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.



John Yam

Issued by: John Yam

PRODUCTS

- CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards
- CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations
- CLASS 2258 83** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive - Systems - For Hazardous Locations - Certified to U.S. Standards

Class 2258 03 – PROCESS CONTROL EQUIPMENT – Intrinsically Safe and Non-Incendive Systems – For Hazardous Locations

Class 2258 83 – PROCESS CONTROL EQUIPMENT – Intrinsically Safe and Non-Incendive Systems – For Hazardous Locations – CERTIFIED TO U.S. STANDARDS

Class I, Division 2, Groups A, B, C and D:

Non-contact proximity sensor system comprised of a TXA, TXR, or TXR5521 transmitter and a Series 10,000 probe with a 10,000 extension cable. Transmitter provides non-incendive circuit to probe and extension cable when installed per installation drawing 9688. Temperature Code T4. Ambient $-40^{\circ}\text{C} \leq T_a \leq +85^{\circ}\text{C}$

METRIX DOC NO. 1170974
REV: B



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Note: The TXA/TXR/TXR5521 Transmitter is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

Class 2258 04 – PROCESS CONTROL EQUIPMENT – Intrinsically Safe Entity – For Hazardous Locations

Class 2258 84 – PROCESS CONTROL EQUIPMENT – Intrinsically Safe Entity – For Hazardous Locations – CERTIFIED TO U.S. STANDARDS

Class I, Groups A, B, C and D:

Non-contact proximity sensor system comprised of a TXA, TXR, or TXR5521 transmitter and a Series 10,000 probe with a 10,000 extension cable. Intrinsically safe when installed per installation drawing 9688. Temperature Code T4. Ambient $-40^{\circ}\text{C} \leq T_a \leq +85^{\circ}\text{C}$

Transmitter Entity Parameters are: $V_{\text{max}} = 28\text{V}$, $I_{\text{max}} = 93\text{mA}$, $C_i = 18\text{nF}$, $L_i = 0\mu\text{H}$

Note: The TXA/TXR/TXR5521 Transmitter is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No 142-M1987 - Process Control Equipment

CAN/CSA C22.2 No 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CAN/CSA C22.2 No 213-M1987 - Non-Incendive Equipment for use in Class I, Division 2 Hazardous Locations

UL Standard No 508, 17th Edition - Industrial Control Equipment

UL Standard No 913, 6th Edition - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations

ANSI/ISA 12.12.01-2013 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Division 1 and 2 Hazardous (Classified) Locations

MARKINGS

Transmitters

- CSA Monogram with 'NRTL/C' or 'C' and 'US' indicators
- Submitter Identification



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Date Issued: February 13, 2014

- Model Number
 - Serial Number, Date Code or Month and Year of Manufacture
 - Electrical Rating
 - Hazardous Location Designation
 - The words "INTRINSICALLY SAFE"
 - The Symbol Exia
 - Reference to Installation Instructions
 - Temperature Code T4
 - Maximum ambient 85°C
 - A statement that the transmitter provides a non-incendive circuit to the probe and extension cable
- Probe and Extension Cable
- CSA Monogram with 'NRTL/C' or 'C' and 'US' indicators
 - Submitter Identification
 - Model Number
 - Serial Number, Date Code or Month and Year of Manufacture



Supplement to Certificate of Compliance

Certificate: 1708670

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
2696006	Feb 13, 2014	Update of report 1708670 to include new model TXR5521 rated C1, D1/D2 and to revise the external cable number from 7402 to 10,000; based on different firmware and reference to CSA 2425666 report.
2445417	Aug 8, 2011	Update of report 1708670 to review and accept changes to the interconnect PCB fabrication for solder pads at connectors J2 & J3.
2175359	May 30, 2009	update report 1708670: include revised drawings
1836944	Oct 23, 2006	Update Report to Include Revised Drawings
1708670	May 15, 2006	TXA and TXR Transmitters for Use in Hazardous Locations (I.S. and N.I.)

METRIX DOC NO. 1170974
REV: B



The following pages are the prior revisions of this certificate.



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1708670

Master Contract: 168872

Project: 2445417

Date Issued: August 8, 2011

Issued to: Metrix Instrument Co.

8824 Fallbrook Dr.

Houston, TX 77064

USA

Attention: Stephen Kraig

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.



Nicholas Cameron

Issued by: Nicholas Cameron

PRODUCTS

- CLASS 2258 83** - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards
- CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations
- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards
- CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Division 2, Groups A, B, C and D:

Non-contact proximity sensor system comprised of a TXA or TRA transmitter and a Series 10,000 probe with a 7402 extension cable. Transmitter provides non-incendive circuit to probe and extension cable when installed per installation drawing 9688. Maximum ambient 85°C

Note: The TXA/TXR Transmitter is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

Class I, Groups A, B, C and D:

METRIX DOC NO.: 1170974
REV: A



Certificate: 1708670

Master Contract: 168872

Project: 2445417

Date Issued: August 8, 2011

Non-contact proximity sensor system comprised of a TXA or TRA transmitter and a Series 10,000 probe with a 7402 extension cable. Intrinsically safe when installed per installation drawing 9688. Temperature Code T4. Maximum ambient 85°C

Transmitter Entity Parameters are: $V_{max} = 28V$, $I_{max} = 93mA$, $C_i = 18nF$, $L_i = 0\mu H$

Note: The TXA/TXR Transmitter is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No 142-M1987 - Process Control Equipment

CAN/CSA C22.2 No 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CAN/CSA C22.2 No 213-M1987 - Non-Incendive Equipment for use in Class I, Division 2 Hazardous Locations

UL Standard No 508, 17th Edition - Industrial Control Equipment

UL Standard No 913, 6th Edition - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations

UL Standard No 1604, 3rd Edition - Electrical Equipment for Use in Class I and II, Division 2; Class III Hazardous (Classified) Locations

MARKINGS

Transmitters

- CSA Monogram with 'NRTL/C' or 'C' and 'US' indicators
- Submitter Identification
- Model Number
- Serial Number, Date Code or Month and Year of Manufacture
- Electrical Rating
- Hazardous Location Designation
- The words "INTRINSICALLY SAFE"
- The Symbol Exia
- Reference to Installation Instructions

METRIX DOC NO.: 1170974
REV: A



Certificate: 1708670

Master Contract: 168872

Project: 2445417

Date Issued: August 8, 2011

-
- Temperature Code T4
 - Maximum ambient 85°C
 - A statement that the transmitter provides a non-incendive circuit to the probe and extension cable
- Probe and Extension Cable
- CSA Monogram with 'NRTL/C' or 'C' and 'US' indicators
 - Submitter Identification
 - Model Number
 - Serial Number, Date Code or Month and Year of Manufacture



Supplement to Certificate of Compliance

Certificate: 1708670

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
2445417	August 8, 2011	Update of report 1708670 to review and accept changes to the interconnect PCB fabrication for solder pads at connectors J2 & J3.
2175359	May 30, 2009	update report 1708670: include revised drawings
1836944	October 23, 2006	Update Report to Include Revised Drawings
1708670	May 15, 2006	TXA and TXR Transmitters for Use in Hazardous Locations (I.S. and N.I.)



Certificate of Compliance

Certificate: 1708670

Master Contract: 168872

Project: 2175359

Date Issued: 2009/05/30

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.



Issued by: Bill Giesbrecht, AScT

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

- CLASS 2258 83** - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards
- CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations
- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards

METRIX DOC NO.: 1170974
REV: A



Certificate: 1708670

Master Contract: 168872

Project: 2175359

Date Issued: 2009/05/30

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class I, Division 2, Groups A, B, C and D:

Non-contact proximity sensor system comprised of a TXA or TRA transmitter and a Series 10,000 probe with a 7402 extension cable. Transmitter provides non-incendive circuit to probe and extension cable when installed per installation drawing 9688. Maximum ambient 85°C

Note: The TXA/TXR Transmitter is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

Class I, Groups A, B, C and D:

Non-contact proximity sensor system comprised of a TXA or TRA transmitter and a Series 10,000 probe with a 7402 extension cable. Intrinsically safe when installed per installation drawing 9688. Temperature Code T4. Maximum ambient 85°C

Transmitter Entity Parameters are: $V_{max} = 28V$, $I_{max} = 93mA$, $C_i = 18nF$, $L_i = 0\mu H$

Note: The TXA/TXR Transmitter is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No 142-M1987 - Process Control Equipment

CAN/CSA C22.2 No 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CAN/CSA C22.2 No 213-M1987 - Non-Incendive Equipment for use in Class I, Division 2 Hazardous Locations

UL Standard No 508, 17th Edition - Industrial Control Equipment

UL Standard No 913, 6th Edition - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations

UL Standard No 1604, 3rd Edition - Electrical Equipment for Use in Class I and II, Division 2; Class III Hazardous (Classified) Locations

MARKINGS

Transmitters

- CSA Monogram with 'NRTL/C' or 'C' and 'US' indicators

- Submitter Identification

METRIX DOC NO.: 1170974
REV: A



Certificate: 1708670

Master Contract: 168872

Project: 2175359

Date Issued: 2009/05/30

- Model Number
 - Serial Number, Date Code or Month and Year of Manufacture
 - Electrical Rating
 - Hazardous Location Designation
 - The words "INTRINSICALLY SAFE"
 - The Symbol Exia
 - Reference to Installation Instructions
 - Temperature Code T4
 - Maximum ambient 85°C
 - A statement that the transmitter provides a non-incendive circuit to the probe and extension cable
- Probe and Extension Cable
- CSA Monogram with 'NRTL/C' or 'C' and 'US' indicators
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Supplement to Certificate of Compliance

Certificate: 1708670

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
2175359	2009/05/30	update report 1708670: include revised drawings
1836944	2006/10/23	Update Report to Include Revised Drawings
1708670	2006/05/15	TXA and TXR Transmitters for Use in Hazardous Locations (I.S. and N.I.)

METRIX DOC NO.: 1170974
REV: A