



Certificate of Compliance

Certificate: 1146081 (LR 49334)

Master Contract: 168872

Project: 2425666

Date Issued: July 15, 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.



Ron Wachowicz

Issued by: Ron Wachowicz, C.E.T.

PRODUCTS

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 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 I, Division 1, Groups A, B, C and D:

METRIX DOC No: 1163101
REV: A



Certificate: 1146081 (LR 49334)

Master Contract: 168872

Project: 2425666

Date Issued: July 15, 2011

Non-contact proximity sensor comprised of a 5533 probe driver, a Series 10,000 probe with a 10,000 extension cable up to a maximum length of 10 meters. This unit is intrinsically safe when connected per installation drawing 8737.

Note: The 5533 probe driver 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, Division 1, Groups A, B, C and D:

Non-contact proximity sensor comprised of a 5533 probe driver, a Series 10,000 probe with a 10,000 extension cable up to a maximum length of 10 meters. This unit is intrinsically safe when connected per installation drawing 8737. Probe Driver Entity Parameters are: $V_{max} = 30V$, $I_{max} = 150mA$, $C_i = 52nF$, $L_i = 160\mu H$

Note: The 5533 probe driver 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-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

UL Standard No 508, Edition 17 - Industrial Control Equipment

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



Supplement to Certificate of Compliance

Certificate: 1146081

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
2425666	July 15, 2011	Update report 1146081 to remove Series 10,000 probe certification documentation and add reference to stand alone report; remains as part of probe driver, probe and extension cable set. Also removed the series 12,000 probe.
1547173	August 9, 2004	Update to project 1146081 to include alternate components

History

LR49334-21 - January 9, 1996 - Original Certification

1146081 - November 8, 2000 - Update report to cover new revision drawings

1476130 - September 15, 2003 - Update report to include new revised drawings.

The following pages are the prior revisions of this certificate.



Certificate of Compliance

Certificate: 1146081 (LR 49334-21)

Master Contract: 168872

Project: 1547173

Date Issued: 2004/08/09

Issued to: Metrix Instrument Co.

1711 Townhurst Dr
Houston, Texas 77043
USA
Attention: David Dobsky

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



Marty Klaassen
Issued by: Marty Klaassen

Authorized by: Patricia Pasemko, Operations Manager

Patricia Pasemko

PRODUCTS

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

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.

METRIX DOC No: 1163101
REV: A



Certificate: 1146081 (LR 49334-21)

Master Contract: 168872

Project: 1547173

Date Issued: 2004/08/09

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

Non-contact proximity sensor comprised of a 5533 probe driver, a Series 10,000 probe with a 7402 extension cable, 5 or 9 metre lengths only, or a Series 12,000 probe with a 8345 extension cable, 5 or 9 metre lengths only. This unit is intrinsically safe when connected per installation instructions 8737.

Probe Driver Entity Parameters are: $V_{max} = 30V$, $I_{max} = 150mA$, $C_i = 52nF$, $L_i = 160\mu H$

Note: The 5533 probe driver 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

UL Standard No 508 16th 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

METRIX DOC No: 1163101
REV: A



Supplement to Certificate of Compliance

Certificate: 1146081

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
1547173	2004/08/09	Update to project 1146081 to include alternate components

History

LR49334-21 January 9, 1996 Original Certification

1146081 November 8, 2000 Update report to cover new revision drawings

1476130 September 15, 2003 Update report to include new revised drawings.

METRIX DOC No: 1163101
REV: A

Certificate of Compliance

Certificate: 1146081 (LR 49334-21)

Master Contract: 168872

Project: 1476130 (Edition 3)

Date Issued: September 15, 2003

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

The products listed below are eligible to bear the CSA Mark shown with adjacent indicator 'NRTL/C'



OR



Issued by:

A handwritten signature in black ink, appearing to read 'M. Klaassen'.

Marty Klaassen P. Eng.
Product Certification Engineer

Authorized by:

A handwritten signature in black ink, appearing to read 'Patricia Pasemko'.

Patricia Pasemko
Operations Manager

CLASS

2258 03 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe and Non-Incendive Systems - For Hazardous Locations

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

PRODUCTS

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

Non-contact proximity sensor comprised of a 5533 probe driver, a Series 10,000 probe with a 7402 extension cable, 5 or 9 metre lengths only, or a Series 12,000 probe with a 8345 extension cable, 5 or 9 metre lengths only. This unit is intrinsicly safe when connected per installation instructions 8737.

Note: The 5533 probe driver is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

METRIX DOC No: 1163101
REV: A

Certificate: 1146081 (LR 49334-21)
Project: 1476130 (Edition 3)

Master Contract: 168872
Date: September 15, 2003

CLASS

2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations
2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe Entity - For Hazardous Locations -
CERTIFIED TO U.S. STANDARDS

PRODUCTS

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

Non-contact proximity sensor comprised of a 5533 probe driver, a Series 10,000 probe with a 7402 extension cable, 5 or 9 meter lengths only or a Series 12,000 probe with a 8345 extension cable, 5 or 9 meter lengths only. This unit is intrinsically safe when connected per installation instructions 8737.

Probe Driver Entity Parameters are: $V_{max} = 30V$, $I_{max} = 150mA$, $C_i = 52nF$, $L_i = 160\mu H$

Note: The 5533 probe driver 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 |
| UL Standard No 508 | - | Industrial Control Equipment |
| UL Standard No 913 | - | Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations |



Supplement to Certificate of Compliance

Certificate: 1146081 (LR 49334-21)

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
LR49334-21	January 9, 1996	Original Certification
1146081	November 8, 2000	Update report to cover new revision drawings
1476130	September 15, 2003	Update to 1146081 to include new revised drawings.

METRIX DOC No: 1163101
REV: A



CSA INTERNATIONAL

Certificate of Compliance

DO NOT UPDATE, BEING UPDATED BY EDMONTON, SEPTEMBER 10, 2003

Certificate: 1146081 (LR 49334-21)

Master Contract: 168872

Project: 1146081

Date Issued: November 8, 2000

Issued to: Metrix Instrument Co.
1711 Townhurst Dr.
Houston TX 77043
USA
Attention: Mr. David Dobsky

*The products listed below are eligible to bear the CSA Mark shown,
with adjacent indicator NRTL/C.*



Issued by: Joe da Silva, C.E.T.

Signature: _____

PRODUCTS

- 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, Groups A, B, C and D:

Non-contact proximity sensor comprised of a 5533 probe driver, a Series 10,000 probe with a 7402 extension cable, 5 or 9 metre lengths only, or a Series 12,000 probe with a 8345 extension cable, 5 or 9 metre lengths only. Intrinsically safe when connected per installation instructions 8737.

Note: The 5533 probe driver is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

The ANRTL/C@ indicator adjacent to the CSA Mark signifies that the product has been evaluated to the applicable ANSI/UL and CSA Standards, for use in the U.S. and Canada. NRTL, i.e. Nationally 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.

METRIX DOC No: 1163101
REV: A

Certificate: 1146081 (LR 49334-21)

Master Contract: 168872

Project: 1146081

Date: November 8, 2000

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 comprised of a 5533 probe driver, a Series 10,000 probe with a 7402 extension cable, 5 or 9 metre lengths only or a Series 12,000 probe with a 8345 extension cable, 5 or 9 metre lengths only. Intrinsically safe when connected per installation instructions 8737.

Probe Driver Entity Parameters are:

$V_{max} = 30V$

$I_{max} = 150mA$

$C_i = 52nF$

$L_i = 160\mu H$

Note: The 5533 probe driver is for mounting in a suitable enclosure as acceptable to the local authority having jurisdiction.

APPLICABLE REQUIREMENTS

- | | | |
|----------------------------|---|---|
| CSA Std 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 |
| UL Std No 508 | - | Industrial Control Equipment |
| UL Std No 913 | - | Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations |

MARKINGS

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

METRIX DOC No: 1163101 REV: A



CSA INTERNATIONAL

Supplement to Certificate of Compliance

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1711 Townhurst Drive
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USA
Attention: Mr. David Dobsky

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

Issued By: Joe da Silva, C.E.T.

Signature: _____

Product Certification History

Project	Date	Description
1146081	Nov 8, 2000	Update report to cover new revision drawings.
-21	Jan 9, 1996	Original Certification.

METRIX DOC No: 1163101
REV: A