



Certificate of Compliance

Certificate: 1123122

Master Contract: 168872

Project: 2732399

Date Issued: July 24, 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.



Virali Shah

Issued by: Virali Shah

PRODUCTS

- CLASS 2252 01** - PROCESS CONTROL EQUIPMENT
- CLASS 2252 81** - PROCESS CONTROL EQUIPMENT - Certified to US Standards
- CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
- CLASS 2258 82** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

PART A:

Class 2252 01 PROCESS CONTROL EQUIPMENT

Class 2252 81 PROCESS CONTROL EQUIPMENT - Certified to US Standards

Model SW6000 and SM6100, Vibration Transmitter, rated 95 - 130 Vac, 41 mA; 200 - 250 Vac, 20 mA; 20 - 28 Vdc, 200 mA.

Class 2258 02 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS

Class 2258 82 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS - Certified to US Standards

METRIX DOC No: 1168000
REV: B



Certificate: 1123122

Master Contract: 168872

Project: 2732399

Date Issued: July 24, 2014

Class I, Division 1, Groups B, C, and D; Temp. Code T4A; Encl. Type 4/4X

Class I, Division 2, Groups B, C, and D; Temp. Code T4A; Encl. Type 4/4X

Model SW6000 and SM6100, Vibration Transmitter, rated 95-130 Vac, 41 mA; 200-250 Vac, 20 mA; 20-28 Vdc, 200 mA, for use in hazardous locations; Temp ambient -40°C to +85°C.

PART B:

Class 2258 02 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS

Class 2258 82 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS - Certified to US Standards

Class I, Division 1, Groups B, C, and D; Temp. Code T4A; Encl. Type 4/4X; IP65

Class II, Division 1, Groups E, F, G

Model PRO6000, Vibration Transmitter; rated 85 to 230 VAC 50-60 Hz, 6W; 24 VDC, 6W

Class I, Division 2, Groups B, C, and D; Temp. Code T4; Encl. Type 4/4X; IP65

Class II, Division 2, Groups F, G

Model PRO440, Vibration Transmitter; rated 85 to 230 VAC 50-60 Hz, 6W; 24 VDC, 6W

Notes:

1. Model Numbers SW6000 or SM6100-xxxx-xxx-xxx may be provided with suffixes to denote options, range, power configurations, Input/output configuration and conduit entries.
2. Output ratings are dependent on options and configurations.
3. Installation is as required by the local authorities and as specified by the applicable electrical code (CEC, NEC).
4. Model PRO 440 and PRO 6000 are identical electrically with the difference being the 440 has a flat base mount for Division 2 installation and the 6000 uses a stud mount for installation in Division 1.

APPLICABLE REQUIREMENTS



Certificate: 1123122

Master Contract: 168872

Project: 2732399

Date Issued: July 24, 2014

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

CSA C22.2 No. 25 (R2009) - Enclosures for use in class II Groups E, F & G hazardous locations.

CSA C22.2 No. 30-M1986 (Reaffirmed 2012) - Explosion-Proof Enclosures for Use in Class I Hazardous Locations.

CSA C22.2 No. 94 - M1991 - Special purpose Enclosures.

CSA C22.2 No. 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

CSA C22.2 No. 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements.

UL 50, Twelfth Edition - Enclosures for Electrical Equipment, Non-Environmental Considerations.

UL508, Seventeenth Edition - Industrial Control Equipment.

UL1203, Fourth Edition - Explosion-Proof and Dust-Ignition-proof Electrical Equipment for Use in Hazardous (Classified) Locations.

ANSI/ISA 12.12.01-2007 - Non incendive Electrical equipment for use in Class I & II, Division 2, Class III Divisions 1 & 2 hazardous locations.

UL 61010-1 - 2nd edition - Safety requirements for Electrical Equipment for measurement, control and laboratory use- General requirements.

MARKINGS

The following information appears engraved on a metal nameplate which is permanently secured to the subject equipment by drive-pins engaging bottomed holes on the cover (or equivalent permanent securement):

- Submitter's name, trademark, or the CSA file number adjacent the CSA Mark.
- The CSA Mark, with the C and US or NRTL/C qualifier adjacent to the CSA Mark
- Catalogue / Model designation.
- Date code or Serial Number traceable to month and year of manufacture.
- Complete electrical ratings
- Hazardous Location designations.
- Temperature Code.
- The following warning statements:
 - "OPEN CIRCUIT BEFORE REMOVING COVER", or, "KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE", or wording of equal effect.
 - "WARNING-EXPLOSION HAZARD-DO NOT DISCONNECT WHILE CIRCUIT IS LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS" and
 - "AVERTISSEMENT-RISQUE D'EXPLOSION. NE PAS DEBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, A MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX."



Supplement to Certificate of Compliance

Certificate: 1123122

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
2732399	Jul 24, 2014	Update report 1123122 to include minor drawing revisions and the previously missing temperature code and Enclosure type ratings for Part B- Class I, Division 2, Groups B, C, and D and Part A- Class I, Division 1, Groups B, C, and D markings.
2540722	Feb 8, 2013	Update of report 1123122 addressing the minor drawing revisions
2337968	Mar 24, 2011	Initial Certification of PRO440 Series and PRO6000 Series vibration transmitters
1998737	Jul 31, 2008	Update to report 1123122 to include alternate manufacturer for transformer.
History		
1123122	October 4, 2000	Models SW6000 and SM6100.
1349345 illustrations.	August 21, 2002	Update to Report 1123122 to remove previous drawings and insert new ones as
2337968	March 24, 2011	Initial certification of PRO 440 & PRO6000 series vibration transmitters

METRIX DOC No: 1168000
REV: B



The following pages are the prior revisions of this certificate.



Certificate of Compliance

Certificate: 1123122

Master Contract: 168872

Project: 2540722

Date Issued: February 8, 2013

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.



Vijay Rangarajan

Issued by: Vijay Rangarajan

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations -
Certified to US Standards

CLASS 2252 81 - PROCESS CONTROL EQUIPMENT - Certified to US Standards

CLASS 2252 01 - PROCESS CONTROL EQUIPMENT

PART A:

CLASS

2258 02 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS

2258 82 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS - Certified to US Standards

PRODUCTS

Class I, Division 1, Groups B, C, and D; Temp. Code T4A;

Class I, Division 2, Groups B, C and D; Temp. Code T4A ; Encl. Type 4/4X



Certificate: 1123122

Master Contract: 168872

Project: 2540722

Date Issued: February 8, 2013

Model SW6000 and SM6100, Vibration Transmitter, rated 95-130 Vac, 41 mA; 200-250 Vac, 20 mA; 20-28 Vdc, 200 mA, for use in hazardous locations; Temp ambient -40°C to +85°C.

CLASS

2252 01 PROCESS CONTROL EQUIPMENT

2252 81 PROCESS CONTROL EQUIPMENT - Certified to US Standards

PRODUCTS

Model SW6000 and SM6100, Vibration Transmitter, rated 95 - 130 Vac, 41 mA; 200 - 250 Vac, 20 mA; 20 - 28 Vdc, 200 mA.

PART B:

CLASS

2258 02 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS

2258 82 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS - Certified to US Standards

PRODUCTS

Class I, Division 1, Groups B, C, and D; Temp. Code T4A; Encl. Type 4/4X; IP65

Class II, Division 1, Groups E, F, G

Model PRO6000, Vibration Transmitter; rated 85 to 230 VAC 50-60 Hz, 6W; 24 VDC, 6W

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

Class II, Division 2, Groups F, G

Model PRO440, Vibration Transmitter; rated 85 to 230 VAC 50-60 Hz, 6W; 24 VDC, 6W

Notes:

Model Numbers SW6000 or SM6100-xxxx-xxx-xxx may be provided with suffixes to denote options, range, power configurations, Input/output configuration and conduit entries.



Certificate: 1123122

Master Contract: 168872

Project: 2540722

Date Issued: February 8, 2013

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- Output ratings are dependant on options and configurations.
 - Installation is as required by the local authorities and as specified by the applicable electrical code (CEC, NEC)

APPLICABLE REQUIREMENTS

CSA Standards C22.2 Nos.:

- 0-10 - General Requirements, Canadian Electrical Code, Part II.
- 142-M1987 - Process Control Equipment.
- 25 (R2009) - Enclosures for use in class II Groups E, F & G hazardous locations
- 30-M1986 (Reaffirmed 2012) - Explosion-Proof Enclosures for Use in Class I Hazardous Locations.
- 94 - M1991 - Special purpose Enclosures
- 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.
- 61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

ANSI/UL Standards:

- UL 50, Twelfth Edition - Industrial control equipment for use in Hazardous(Classified) Locations.
- UL508, Seventeenth Edition - Industrial Control Equipment.
- UL1203, Fourth Edition - Explosion-Proof and Dust-Ignition-proof Electrical Equipment for Use in Hazardous (Classified) Locations.
- UL 1604, Third Edition - Electrical Equipment for Use in Class I and II, Division 2, And Class III Hazardous (Classified) Locations.
- ANSI/ISA 12.12.01-2007 - Non incendive Electrical equipment for use in Class I & II, Division 2, Class III Divisions 1 & 2 hazardous locations
- UL 61010-1 - 2nd edition - Safety requirements for Electrical Equipment for measurement, control and laboratory use- General requirements.

MARKINGS

The following information appears engraved on a metal nameplate which is permanently secured to the subject equipment by drive-pins engaging bottomed holes on the cover (or equivalent permanent securement):

- Submitter's name, trademark, or the CSA file number adjacent the CSA Mark.



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Master Contract: 168872

Project: 2540722

Date Issued: February 8, 2013

- The CSA Mark, with the C and US or NRTL/C qualifier adjacent to the CSA Mark
- Catalogue / Model designation.
- Date code or Serial Number traceable to month and year of manufacture.
- Complete electrical ratings
- Hazardous Location designations.
- Temperature Code.
- The following warning statements:
 - “OPEN CIRCUIT BEFORE REMOVING COVER”, or, “KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE”, or wording of equal effect.
 - “WARNING-EXPLOSION HAZARD-DO NOT DISCONNECT WHILE CIRCUIT IS LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS” and
 - “AVERTISSEMENT-RISQUE D’EXPLOSION. NE PAS DEBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, A MOINS QU’IL NE S’AGISSE D’UN EMPLACEMENT NON DANGEREUX.”



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1123122 (LR 49334)

Master Contract: 168872

Project: 1998737

Date Issued: 2008/07/31

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'



Issued by: Matthew Brock

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

- CLASS 2252 81 - PROCESS CONTROL EQUIPMENT - Certified to US Standards
- CLASS 2252 01 - PROCESS CONTROL EQUIPMENT
- CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards
- CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Non-Hazardous Locations:

Model SW6000 and SM6100, Vibration Transmitter, rated 95 - 130 Vac, 41 mA; 200 - 250 Vac, 20 mA; 20 - 28 Vdc, 200 mA.

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: 1168000
REV: A



CSA INTERNATIONAL

Certificate: 1123122 (LR 49334)

Master Contract: 168872

Project: 1998737

Date Issued: 2008/07/31

equipment by drive-pins engaging bottomed holes on the cover (or equivalent permanent securement):

- Submitter's name, trademark, or the CSA file number adjacent the CSA Mark.
- The CSA Mark, with the C and US or NRTL/C qualifier adjacent to the CSA Mark
- Catalogue / Model designation.
- Date code or Serial Number traceable to month and year of manufacture.
- Complete electrical ratings
- Hazardous Location designations.
- Temperature Code.
- The following warning statements:
 - "OPEN CIRCUIT BEFORE REMOVING COVER", or, "KEEP COVER TIGHT WHILE CIRCUITS ARE ALIVE", or wording of equal effect.
 - "WARNING-EXPLOSION HAZARD-DO NOT DISCONNECT WHILE CIRCUIT IS LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS" and
 - "AVERTISSEMENT-RISQUE D'EXPLOSION. NE PAS DEBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, A MOINS QU'IL NE S'AGISSE D'UN EMPLACEMENT NON DANGEREUX."

METRIX DOC No: 1168000
REV: A



CSA INTERNATIONAL

Certificate: 1123122 (LR 49334)

Master Contract: 168872

Project: 1998737

Date Issued: 2008/07/31

Hazardous Locations:

Class I, Groups B, C, and D; Temp. Code T4A;

Class I, Division 2, Groups B, C and D; Temp. Code T4A ; Encl. Type 4/4X

Model SW6000 and SM6100, Vibration Transmitter, rated 95-130 Vac, 41 mA; 200-250 Vac, 20 mA; 20-28 Vdc, 200 mA, for use in hazardous locations; Temp ambient -40°C to +85°C.

Notes:

- Model Numbers SW6000 or SM6100-xxxx-xxx-xxx may be provided with suffixes to denote options, range, power configurations, Input/output configuration and conduit entries.
- Output ratings are dependant on options and configurations.
- Installation is as required by the local authorities and as specified by the applicable electrical code (CEC, NEC)

APPLICABLE REQUIREMENTS

CSA Standards C22.2 Nos.:

0-M1991 - General Requirements, Canadian Electrical Code, Part II.

142-M1987 - Process Control Equipment.

30-M1986 (Reaffirmed 2003) - Explosion-Proof Enclosures for Use in Class I Hazardous Locations.

213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

61010-1-04 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements

ANSI/UL Standards:

UL508, Seventeenth Edition - Industrial Control Equipment.

UL1203, Fourth Edition - Explosion-Proof and Dust-Ignition-proof Electrical Equipment for Use in Hazardous (Classified) Locations.

UL 1604, Third Edition - Electrical Equipment for Use in Class I and II, Division 2, And Class III Hazardous (Classified) Locations.

MARKINGS

The following information appears engraved on a metal nameplate which is permanently secured to the subject

METRIX DOC No: 1168000
REV: A



CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1123122

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
1998737	2008/07/31	Update to report 1123122 to include alternate manufacturer for transformer.
History		
1123122	October 4, 2000	Models SW6000 and SM6100.
1349345	August 21, 2002	Update to Report 1123122 to remove previous drawings and insert new ones as illustrations.

METRIX DOC No: 1168000
REV: A

Certificate of Compliance

Certificate: 1123122 (LR 49334)

Master Contract: 168872

Project: 1349345 (Edition 2)

Date Issued: August 21, 2002

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: Nicholas Scott, C.E.T.
Certification Specialist

Authorized by: John Verwey, P.Eng.
Operations Manager

CLASS

2258 02 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS

2258 82 PROCESS CONTROL EQUIPMENT - FOR HAZARDOUS LOCATIONS - Certified to US Standards

PRODUCTS

Class I, Groups B, C, and D; Temp. Code T4A;

Class I, Division 2, Groups B, C and D; Temp. Code T4A ; Encl. Type 4/4X

Model SW6000 and SM6100, Vibration Transmitter, rated 95-130 Vac, 41 mA; 200-250 Vac, 20 mA; 20-28 Vdc, 200 mA, for use in hazardous locations; Temp ambient -40°C to +85°C.

CLASS

2252 01 PROCESS CONTROL EQUIPMENT - FOR ORDINARY USE LOCATIONS

2252 81 PROCESS CONTROL EQUIPMENT - FOR ORDINARY USE LOCATIONS - Certified to US Standards

PRODUCTS

Model SW6000 and SM6100, Vibration Transmitter, rated 95 - 130 Vac, 41 mA; 200 - 250 Vac, 20 mA; 20 - 28 Vdc, 200 mA.

Notes:

1. Model Numbers SW6000 or SM6100-xxxx-xxx-xxx may be provided with suffixes to denote options, range, power configurations, Input/output configuration and conduit entries.
2. Output ratings are dependant on options and configurations.
3. Installation is as required by the local authorities and as specified by the applicable electrical code (CEC, NEC)

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

Certificate: 1123122

Master Contract: 168872

Project: 1349345

Date: August 21, 2002

APPLICABLE REQUIREMENTS

CSA Standards C22.2 Nos.:

- 0-M1991 - General Requirements, Canadian Electrical Code, Part II.
- 142-M1987 - Process Control Equipment.
- 30-M1987 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations.
- 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

ANSI/UL Standards:

- UL508, Seventeenth Edition - Industrial Control Equipment.
- UL1203, Second Edition - Explosion-Proof and Dust-Ignition-proof Electrical Equipment for Use in Hazardous (Classified) Locations.
- UL 1604, Third Edition - Electrical Equipment for Use in Class I and II, Division 2, And Class III Hazardous (Classified) Locations.

METRIX DOC No: 1168000
REV: A



Supplement to Certificate of Compliance

Certificate: 1123122 (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
1123122	October 4, 2000	Models SW6000 and SM6100.
1349345	August 21, 2002	Update to Report 1123122 to remove previous drawings and insert new ones as illustrations.

METRIX DOC No: 1168000 REV: A
