

Listing#: E115725
Report #: 135607
Original Certification Date: May 15, 2025
Revised Certification Date:



This Certification is issued to:
Metrix Instrument Co.
8824 Fallbrook Dr.
Houston, TX 77064
USA

Stating that the product(s):
Non-Contact Proximity Sensors,
Models 10,000 Series Probe with a 10,000 Extension Cable and Accessories Models 5498JB,
5494LP, 5497PM and 5497DTPH

Product Rating(s):

- Class I Zone 0 Ex ia IIC T6 Ga; or Class I Zone 1 Ex ib IIC T6 Gb; or Class I Zone 2 Ex ic IIC T6 Gc;
- Class I, Division 1, Groups ABCD
- Ex ia IIC T6 Ga; or Ex ib IIC T6 Gb; or Ex ic IIC T6 Gc;
- $V_{max} = 30V$
- $I_{max} = 150mA$
- $C_i = 2nF$
- $L_i = 200\mu H$

Achieved Certification to the following standard(s):

CAN/CSA C22.2 No 142-M1987 - Process Control Equipment
CAN/CSA C22.2 No 157-M92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA 60079-0-2015 - Explosive atmospheres – Part 0: Equipment – General Requirements
CSA 60079-11-2014 - Explosive atmospheres – Part 11: Equipment – Protection by Intrinsic Safety "i"
UL Standard No 508, 17th Edition - Industrial Control Equipment
UL Standard No 913, 8th Edition - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations
UL 60079-0, Ed 6 - Explosive atmospheres – Part 0: Equipment – General Requirements
UL 60079-11, Ed 6 - Explosive atmospheres – Part 11: Equipment – Protection by Intrinsic Safety "i"



Jeremy Maxwell
Eurofins Electrical and Electronic Testing North America, Inc.

METRIX DOC NO: 1224367
REV: E

All changes proposed in the previously identified product that affects the above information must be submitted to Eurofins for evaluation prior to implementation to assure continued NRTL Certification status. The covered product(s) shall be subject to follow-up inspections to ensure that the Certified product(s) are identical to the product sample evaluated by Eurofins E&E NA and that all responsibilities are being fulfilled as specified in the Applicants' Responsibility section of the Certification Report. The Applicant named above has been authorized Eurofins E&E NA to represent the product(s) listed in this record as "MET Certified" and to mark this/these product(s) according to the terms and conditions of the Eurofins E&E NA Applicant Contract, Listing Reports, and the applicable agreements. Only the product(s) bearing the MET Mark and under a follow-up service are considered to be included in this Certification program. This certification has been granted under a System 3 program as defined in ISO/IEC 17067.



Eurofins E&E North America, Inc. is accredited by OSHA and the Standards Council of Canada.

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The following pages are the prior revisions of this certificate.



Certificate of Compliance

Certificate: 2425667

Master Contract: 168872 (049334_0_000)

Project: 70202753

Date Issued: March 26, 2019

Issued to: Metrix Instrument Co.
8824 Fallbrook Dr.
Houston, Texas 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.



Issued by: *Adrian Zilahi*
Adrian Zilahi

PRODUCTS

CLASS - C225803 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

CLASS - C225884 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity-- For Hazardous Locations - Certified to US Standards

CLASS - C225883 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive-Systems- For Hazardous Locations-Certified to U.S. Standards

CLASS - C225804 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe, Entity - For Hazardous Locations-

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

Ex ia IIC T6 Ga; Ex ib IIC T6 Gb ; Ex ic IIC T6 Gc

Class I, Zone 0, Ex ia IIC T6 Ga, Class I, Zone 1, Ex ib IIC T6 Gb ; Class I, Zone 2, Ex ic IIC T6 Gc

Series 10,000 probe with a 10,000 extension cable up to a maximum length of 20 meters.

METRIX DOC NO: 1224367
REV: D



Certificate: 2425667
Project: 70202753

Master Contract: 168872
Date Issued: March 26, 2019

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:

Ex ia IIC T6 Ga; Ex ib IIC T6 Gb ; Ex ic IIC T6 Gc

Class I, Zone 0, Ex ia IIC T6 Ga, Class I, Zone 1, Ex ib IIC T6 Gb ; Class I, Zone 2, Ex ic IIC T6 Gc

Series 10,000 probe with a 10,000 extension cable up to a maximum length of 20 meters. This unit is intrinsically safe when connected per installation drawing 1086567. Series 10,000 Probe with extension cable Entity Parameters are: $V_{max} = 30V$, $I_{max} = 150mA$, $C_i = 2nF$, $L_i = 200\mu H$.

- o Note entity parameters do not include the capacitance and inductance of a separately installed probe driver or transmitter.

Class I, Division 1 or Class I, Division 2 Groups A, B, C and D:

Ex ia IIC T6 Ga; Ex ib IIC T6 Gb ; Ex ic IIC T6 Gc

Class I, Zone 0, Ex ia IIC T6 Ga, Class I, Zone 1, Ex ib IIC T6 Gb ; Class I, Zone 2, Ex ic IIC T6 Gc

Conduit Body (Junction Box) (**5498JB**) with Low Pressure Feed Through (**5494LP**), Probe Mounting System - Aluminum Connection Head E=1 option (**5497PM**), and Dual Thrust Probe Holder (**5497DTPH**) when used with Series 10,000 probe and a 10,000 extension (Drawing 1086567_INSTALLATION Proximity Sensor in Hazardous Locations) are meeting cCSAus Intrinsically Safe Requirements, as Class I, Division 1 or Division 2, Groups A, B, C, D/ Class I, Zone 0, Ex ia IIC T6 Ga/ Class I, Zone 1, Ex ib IIC T6 Gb/ Class I, Zone 2, Ex ic IIC T6 Gc (Markings as per Drawing 100971_NAMEPLATE, 5497PM, 5497DTPH, 5498JB, 5494LP).

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No 142-M1987	-	Process Control Equipment
CAN/CSA C22.2 No 157-M92	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA 60079-0-2015	-	Explosive atmospheres – Part 0: Equipment – General Requirements
CSA 60079-11-2014	-	Explosive atmospheres – Part 11: Equipment – Protection by Intrinsic Safety “i”
UL Standard No 508, 17 th Edition	-	Industrial Control Equipment
UL Standard No 913, 8 th Edition	-	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations
UL 60079-0, Ed 6	-	Explosive atmospheres – Part 0: Equipment – General Requirements
UL 60079-11, Ed 6	-	Explosive atmospheres – Part 11: Equipment – Protection by Intrinsic Safety “i”

MARKINGS

See Report.

METRIX DOC NO: 1224367
REV: D



Supplement to Certificate of Compliance

Certificate: 2425667

Master Contract: 168872 (049334_0_000)

*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
70202753	2019-03-26	Possible update to report #2425667 to include new enclosures meeting cCSAus requirements to Intrinsically Safe Requirements, as Class I, Division 1 and Class I, Zone 1, AEx/Ex ia, AEx/Ex nA. Quote assumes the enclosures are not relied upon for safety, and that testing is not required. Quote does not include costs for evaluating non-metallic enclosures.
70168702	2018-02-13	Update to report 2425667 to add ceramic probe tip option, increase max length from 10 meter to 20 meter and to add Zone rating.
70055551	2015-12-14	Update to Report 2425667 to include a new triaxial cable option.
2425667	2011-07-15	Copy the Model 10,000 Probe and Extension Cable series from the report 1146081 to a standalone report and revise drawings to include only Agency related material.

METRIX DOC NO: 1224367
REV: D



The following pages are the prior revisions of this certificate.



Certificate of Compliance

Certificate: 2425667 **Master Contract:** 168872 (049334_0_000)
Project: 70168702 **Date Issued:** 2018-02-13
Issued to: Metrix Instrument Co.
8824 Fallbrook Dr.
Houston, Texas 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.



Issued by: Andrew Redeker
Andrew Redeker

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

Ex ia IIC T6 Ga; Ex ib IIC T6 Gb ; Ex ic IIC T6 Gc

Class I, Zone 0, Ex ia IIC T6 Ga, Class I, Zone 1, Ex ib IIC T6 Gb ; Class I, Zone 2, Ex ic IIC T6 Gc

Series 10,000 probe with a 10,000 extension cable up to a maximum length of 20 meters.

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:

Ex ia IIC T6 Ga; Ex ib IIC T6 Gb ; Ex ic IIC T6 Gc

Class I, Zone 0, Ex ia IIC T6 Ga, Class I, Zone 1, Ex ib IIC T6 Gb ; Class I, Zone 2, Ex ic IIC T6 Gc

METRIX DOC NO: 1224367
REV: C



Certificate: 2425667
Project: 70168702

Master Contract: 168872
Date Issued: 2018-02-13

Series 10,000 probe with a 10,000 extension cable up to a maximum length of 20 meters. This unit is intrinsically safe when connected per installation drawing 1086567. Series 10,000 Probe with extension cable Entity Parameters are: $V_{max} = 30V$, $I_{max} = 150mA$, $C_i = 2nF$, $L_i = 200\mu H$.

- Note entity parameters do not include the capacitance and inductance of a separately installed probe driver or transmitter.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No 142-M1987	-	Process Control Equipment
CAN/CSA C22.2 No 157-M92	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA 60079-0-2015	-	Explosive atmospheres – Part 0: Equipment – General Requirements
CSA 60079-11-2014	-	Explosive atmospheres – Part 11: Equipment – Protection by Intrinsic Safety “i”
UL Standard No 508, 17 th Edition	-	Industrial Control Equipment
UL Standard No 913, 8 th Edition	-	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations
UL 60079-0, Ed 6	-	Explosive atmospheres – Part 0: Equipment – General Requirements
UL 60079-11, Ed 6	-	Explosive atmospheres – Part 11: Equipment – Protection by Intrinsic Safety “i”

MARKINGS

See Report

METRIX DOC NO: 1224367
REV: C



Supplement to Certificate of Compliance

Certificate: 2425667

Master Contract: 168872 (049334_0_000)

*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
70168702	2018-02-13	Update to report 2425667 to add ceramic probe tip option , increase max length from 10 meter to 20 meter and to add Zone rating.
70055551	2015-12-14	Update to Report 2425667 to include a new triaxial cable option.
2425667	2011-07-15	Copy the Model 10,000 Probe and Extension Cable series from the report 1146081 to a standalone report and revise drawings to include only Agency related material.

METRIX DOC NO: 1224367
REV: C



The following pages are the prior revisions of this certificate.



Certificate of Compliance

Certificate: 2425667 (LR 049334)

Master Contract: 168872

Project: 70055551

Date Issued: 2015-12-14

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.



Issued by: Nicholas
Cameron
Nicholas Cameron

PRODUCTS

CLASS - C225803 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

CLASS - C225883 - 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:

Series 10,000 probe with a 10,000 extension cable up to a maximum length of 10 meters.

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:

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 1086567. Series 10,000 Probe with extension cable Entity

Parameters are: $V_{max} = 30V$, $I_{max} = 150mA$, $C_i = 1000pF$, $L_i = 200\mu H$.

- Note entity parameters do not include the capacitance and inductance of a separately installed probe driver or transmitter.

METRIX DOC NO: 1224367
REV: B



Certificate: 24256672425667 (LR 049334)
Project: 7005555170055551

Master Contract: 168872168872
Date Issued: 2015-12-14

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No 142-M1987	-	Process Control Equipment
CAN/CSA C22.2 No 157-M92	-	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
UL Standard No 508, 17 th Edition	-	Industrial Control Equipment
UL Standard No 913, 6 th Edition	-	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous Locations

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Nameplate adhesive label material approval information:

0.005 metallized polyester film with pressure sensitive adhesive. See drawing 8141-001.

Probe and Probe Extension: A self-adhesive label which is protected by a clear CSA Certified, FIT-350 Kynar shrinkable tubing manufactured by ALPHA. See drawing 10000-AGENCY.

Note: Installation instructions are shown in drawing 1086567.

See drawing "10000-AGENCY" for the following marking details:

- 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/SECURITE INTRINSEQUE"
- The Symbol Exia
- Reference to Installation Instructions

METRIX DOC NO: 1224367 REV: B



Certificate: 24256672425667 (LR 049334)
Project: 7005555170055551

Master Contract: 168872168872
Date Issued: 2015-12-14

Supplement to Certificate of Compliance

Certificate: 2425667 (049334_0_000)

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
70055551	2015-12-14	Update to Report 2425667 to include a new triaxial cable option.
2425667	2011-07-15	Copy the Model 10,000 Probe and Extension Cable series from the report 1146081 to a standalone report and revise drawings to include only Agency related material.

METRIX DOC NO: 1224367
REV: B



The following pages are the prior revisions of this certificate.



Certificate of Compliance

Certificate: 2425667 (LR 049334)

Master Contract: 168872

Project: 2425667

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:

Series 10,000 probe with a 10,000 extension cable up to a maximum length of 10 meters.

METRIX DOC NO: 1224367
REV: A



Certificate: 2425667 (LR 049334)

Master Contract: 168872

Project: 2425667

Date Issued: July 15, 2011

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:

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 1086567. Series 10,000 Probe with extension cable Entity Parameters are: $V_{max} = 30V$, $I_{max} = 150mA$, $C_i = 1000pF$, $L_i = 200\mu H$.

Note entity parameters do not include the capacitance and inductance of a separately installed probe driver or transmitter.

APPLICABLE REQUIREMENTS

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

CAN/CSA C22.2 No 157-M92 - Intrinsically Safe and Non-Incendive Equipment for Use in 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