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Certification Record

Listing#: E115725
Report #: 129186-B
Original Certification Date: August 28, 2025
Revised Certification Date:

This Certification is issued to:
Metrix Instrument Co.
8824 Fallbrook Dr.
Houston, Texas, 77064
United States

Stating that the product(s):
Driver/Transmitter,
Models MX2033, MX2034

Product Rating(s):
Division 1:
MX2033:
Entity parameters of the probe driver
Vmax = 30V; Imax = 150 mA; Ci = 52 nF; Li = 160 uH
Entity parameters of the cable/probe:
Voc = 5.36 V; Isc = 93 mA; Ca = 62 uF; La = 8.5 mH; Po = 0.5 W
MX2034:
Entity parameters of the transmitter (where DD = 04, S4, 05, S5, 06, S6):
Vmax = 28V; Imax = 93 mA; Ci = 18 nF; Li = 0 uH; Pi = 0.66 W
Entity parameters of the transmitter (where DD = 07, S7, 08, S8):
Loop Power Connection: Vmax = 25.4V; Imax = 86.8 mA; Pi = 0.551 W, Ci = 0uF, Li = 39.6uH
Dynamic Signal Connection: Vmax = 15.5V; Imax = 7.2 mA; Pi = 0.028 W, Ci = 7.48nF, Li = 192.28uH

Entity parameters of the cable/probe:
Voc = 5.36 V; Isc = 93 mA; Ca = 62 uF; La = 8.5 mH; Po = 0.5 W

Division 2:
MX2033:
Input: Vmax = 30V, Imax = 150mA
Entity parameters of the cable/probe:
Voc = 5.36 V; Isc = 93 mA; Ca = 62 uF; La = 8.5 mH; Po = 0.5 W
MX2034:
Input: Vmax = 30V, Imax = 50mA
Entity parameters of the cable/probe:
Voc = 5.36 V; Isc = 50 mA; Ca = 997 uF; La = 31.3 mH; Po = 0.268 W

METRIX DOC: 1157976
REV: F

Hazardous Location Rating:
Class I, Zone 0, AEx ia IIC T4 Ga
Class I, Division 1, Groups A, B, C, D, T4
Class I, Zone 2, AEx ec IIC T4 Gc
Class I, Division 2, Groups A, B, C, D, T4
Ambient Temperature Rating: -40°C to 85°C

Achieved Certification to the following standard(s):
UL 121201, Ninth Edition, Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations (Rev April 1, 2021)
CSA C22.2 No. 213-17, Third Edition, Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations (Rev April 1, 2021)
UL 913 Intrinsically Safe Apparatus for use in Class I, II, III Division 1 Hazardous Locations, Eighth Edition, Dated May 10, 2022
CAN/CSA-C22.2 No. 157-92 Intrinsically Safe and Non-Incendive Equipment or use in Hazardous Locations, Rev June 2003 Reaffirmed 2021
UL 61010-1, 3rd Edition, Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirement
CSA Std. C22.2 No. 61010-1-12 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
UL 508 Industrial Control Equipment, Eighteenth Edition, Dated March 30, 2018 (Rev July 8, 2021)

Nehemya Cohen
Certification Officer,
Eurofins Electrical and Electronic Testing North America, LLC

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 by 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.

SCC Accredited CB-P/S TM

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

NRTL

METRIX DOC: 1157976
REV: F

The following pages are the prior revisions of this certificate.

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

This document is the property of Intertek Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authorized To Apply Mark.

Applicant:	Metrix Instruments Co. LP	**Manufacturer:**	Metrix Instruments Co. LP
Address:	8824 Fallbrook Dr. Houston, TX 77064	**Address:**	8824 Fallbrook Dr. Houston, TX 77064
Country:	USA	**Country:**	USA

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services NA, Inc., Plano, TX

Control Number: ***4006789*** **Authorized by:** _____
for L. Matthew Snyder, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

METRIX DOC No: 1157976
REV: E

AUTHORIZATION TO MARK

Standard(s):	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations [UL 913:2013 Ed.8] Intrinsically Safe And Non-Incendive Equipment For Use In Hazardous Locations (R2016)>Valid without technical revision: 01Sep2025< [CSA C22.2#157:1992 Ed.3+G1;U2] Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations [UL 121201:2017 Ed.9+R:01Apr2021] Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations [CSA C22.2#213:2017 Ed.3+U1;U2;U3] Electrical Equipment for Measurement, Control, and Laboratory Use; Part 1: General Requirements [UL 61010-1:2012 Ed.3+R:21Nov2018] Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use – Part 1: General Requirements (R2017) [CSA C22.2#61010-1-12:2012 Ed.3+U1;U2] Industrial Control Equipment [UL 508:1999 Ed.17+R:16Oct2013]
Product:	Driver/Transmitter for use with non-contact proximity sensor system. For use in Class I Division 1 and 2, Groups A - D, Tamb: -40°C to 85°C, Tcode: T4
Models:	MX2032 followed by -; followed by two numbers; followed by -; followed by 0; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 5, 7, 9 or 0; followed by -; followed by 0; followed by 3 or 5. MX2033 followed by -; followed by two numbers; followed by -; followed by 0; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 5, 7, 9 or 0; followed by -; followed by 0; followed by 3 or 5. MX2034 followed by -; followed by two numbers; followed by -; followed by 0; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 5, 7, 9 or 0; followed by -; followed by 0; followed by 3 or 5; followed by -, followed by 0; followed by 1 to 6; followed by -; followed by three numbers; followed by -; followed by two numbers. MX2034 followed by -; followed by two numbers; followed by -; followed by 0; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 5, 7, 9 or 0; followed by -; followed by 0; followed by 3 or 5; followed by -, followed by 0; followed by 1 to 3; followed by -; followed by three numbers; followed by -; followed by two numbers.

METRIX DOC No: 1157976
REV: E

The following pages are the prior revisions of this certificate.

AUTHORIZATION TO MARK

This authorizes the application of the Certification Mark(s) shown below to the models described in the Product(s) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(s) identified on the correlation page of the Listing Report.

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Applicant:	Metrix Instruments Co. LP	**Manufacturer:**	Metrix Instruments Co. LP
Address:	8824 Fallbrook Dr. Houston, TX 77064	**Address:**	8824 Fallbrook Dr. Houston, TX 77064
Country:	USA	**Country:**	USA

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Intertek Testing Services NA, Inc., Plano, TX

Control Number: ***4006789*** **Authorized by:** for L. Matthew Snyder, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

METRIX DOC No: 1157976
REV: D

Standard(s):	Explosive Atmospheres – Part 0: Equipment – General Requirements [UL 60079-0:2019 Ed.7+R:15Apr2020] Explosive Atmospheres - Part 0: Equipment - General Requirements [CSA C22.2#60079-0:2015 Ed.3] Standard for Safety Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e" [UL 60079-7:2017 Ed.5+R:03Jun2021] Explosive Atmospheres - Part 7: Equipment Protection by Increased Safety "e" (R2021) [CSA C22.2#60079-7:2016 Ed.2+A1] Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i" [UL 60079-11:2013 Ed.6+R:14Sep2018] Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety "i" (R2018) [CSA C22.2#60079-11:2014 Ed.2] Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use – Part 1: General Requirements [UL 61010-1:2012 Ed.3+R:21Nov2018] Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use Part 1: General Requirements [CSA C22.2#61010-1-12:2012 Ed.3+U1;U2;A1]
Product:	Driver/Transmitter for use with non-contact proximity sensor system. For use in: Class I Zone 0 AEx ia IIC T4 Ga Class I Division 1 and 2, Groups A-D Class I Zone 2 AEx ec IIC T4 Gc (-40°C ≤ Tamb ≤ +85°C) ETL22CA104968532X
Models:	MX2033 followed by -; followed by two numbers; followed by -; followed by 0 or 1; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 0 to 9; followed by -; followed by 0 or S; followed by 0, 1, 5 to 8. MX2034 followed by -; followed by two numbers; followed by -; followed by 0 or 1; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 0 to 9; followed by -; followed by 0 or S; followed by 0 to 8; followed by -, followed by 0; followed by 1 to 6; followed by -; followed by three numbers; followed by -; followed by two numbers.

METRIX DOC No: 1157976
REV: D

The following pages are the prior revisions of this certificate.

AUTHORIZATION TO MARK

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Applicant:	Metrix Instruments Co. LP	**Manufacturer:**	Metrix Instruments Co. LP
Address:	8824 Fallbrook Dr. Houston, TX 77064	**Address:**	8824 Fallbrook Dr. Houston, TX 77064
Country:	USA	**Country:**	USA
Contact:	Lance Truong	**Contact:**	Lance Truong
Phone:	713-574-7837	**Phone:**	715-574-7837
FAX:	713-559-9417	**FAX:**	713-559-9417
Email:	Lance.Truong@metrixvibration.com	**Email:**	Lance.Truong@metrixvibration.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Dallas, TX

Control Number: *4006789* **Authorized by:** Ilenia Medina

for L. Matthew Snyder, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

METRIX DOC No: 1157976
REV: C

Standard(s):	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations [UL 913:2013 Ed.8] Intrinsically Safe And Non-Incendive Equipment For Use In Hazardous Locations (R2016) [CSA C22.2#157:1992 Ed.3+G1;U2] Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations [UL 121201:2017 Ed.9] Nonincendive Electrical Equipment For Use In Class I And Ii, Division 2 And Class Iii, Divisions 1 And 2 Hazardous (Classified) Locations [CSA C22.2#213:2017 Ed.3+U1] Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use – Part 1: General Requirements [UL 61010-1:2012 Ed.3 +R:21Nov2018] Safety Requirements For Electrical Equipment For Measurement, Control, And Laboratory Use – Part 1: General Requirements (R2017) [CSA C22.2#61010-1-12:2012 Ed.3+U1;U2] Industrial Control Equipment >Valid without technical revision: 26Jan2017< [UL 508:1999 Ed.17+R:16Oct2013]
Product:	Driver/Transmitter for use with non-contact proximity sensor system.
Models:	MX2032 followed by -; followed by two numbers; followed by -; followed by 0; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 5, 7, 9 or 0; followed by -; followed by 0; followed by 3 or 5. MX2033 followed by -; followed by two numbers; followed by -; followed by 0; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 5, 7, 9 or 0; followed by -; followed by 0; followed by 3 or 5. MX2034 followed by -; followed by two numbers; followed by -; followed by 0; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 5, 7, 9 or 0; followed by -; followed by 0; followed by 3 or 5; followed by -, followed by 0; followed by 1 to 6; followed by -; followed by three numbers; followed by -; followed by two numbers. MX2034 followed by -; followed by two numbers; followed by -; followed by 0; followed by 0 to 9; followed by -; followed by 0 to 2; followed by 5, 7, 9 or 0; followed by -; followed by 0; followed by 3 or 5; followed by -, followed by 0; followed by 1 to 3; followed by -; followed by three numbers; followed by -; followed by two numbers.

METRIX DOC No: 1157976
REV: C

The following pages are the prior revisions of this certificate.

AUTHORIZATION TO MARK

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Applicant:	Metrix Instruments Co. LP	**Manufacturer:**	Metrix Instruments Co. LP
Address:	8824 Fallbrook Dr. Houston, TX 77064	**Address:**	8824 Fallbrook Dr. Houston, TX 77064
Country:	USA	**Country:**	USA
Contact:	Mr. Stephen L. Kraig	**Contact:**	Mr. Stephen L. Kraig
Phone:	281-940-1350	**Phone:**	281-940-1350
FAX:	713-559-9417	**FAX:**	713-559-9417
Email:	Stephen.Kraig@Metrixvibration.com	**Email:**	Stephen.Kraig@Metrixvibration.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Chicago

Control Number: *4006789*

Authorized by: Ellen Swialek

for Thomas J. Patterson, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
545 East Algonquin Road, Arlington Heights, IL 60005
Telephone 800-345-3851 or 847-439-5667 Fax 312-283-1672

METRIX DOC No: 1157976
REV: B

AUTHORIZATION TO MARK

Standard(s):	UL Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations [UL 913 Sixth Edition; Dated August 8, 2002; Rev.: August 9, 2004] Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations; General Instruction No. 1: 1993, General Instruction No. 2: 2003 [CSA C22.2#157 Issued: 1993/10/01 Ed: 1992 (R2006), (R2012)] Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations [ISA 12.12.01 Issued: 2013/06/03] Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations [CAN/CSA C22.2 No. 213-M1987; Reaffirmed 2013] UL Standard for Safety for Industrial Control Equipment [UL 508; 17th Edition; Dated: January 28, 1999; Rev.: September 19, 2008] Process Control Equipment [CAN/CSA C22.2 No. 142-M1987; Reaffirmed 1993]
Product:	Driver/Transmitter for use with non-contact proximity sensor system. For use in Class I Division 1 and 2, Groups A - D, Tamb: -40°C to 85°C, Tcode: T4
Models:	MX2032, MX2033, MX2034

METRIX DOC No: 1157976
REV: B

The following pages are the prior revisions of this certificate.

AUTHORIZATION TO MARK

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Applicant:	Metrix Instrument Co.	**Manufacturer:**	Metrix Instrument Co.
Address:	8824 Fallbrook Dr. Houston, TX 77064	**Address:**	8824 Fallbrook Dr. Houston, TX 77064
Country:	USA	**Country:**	USA
Contact:	Mr. Stephen L. Kraig	**Contact:**	Mr. Stephen L. Kraig
Phone:	281-940-1350	**Phone:**	281-940-1350
FAX:	713-559-9417	**FAX:**	713-559-9417
Email:	Stephen.Kraig@Metrixvibration.com	**Email:**	Stephen.Kraig@Metrixvibration.com

Party Authorized To Apply Mark: Same as Manufacturer
Report Issuing Office: Dallas

Control Number: *4006789*

Authorized by:

for William T. Starr, Certification Manager

This document supersedes all previous Authorizations to Mark for the noted Report Number.

Intertek Testing Services NA Inc.
165 Main Street, Cortland, NY 13045
Telephone 800-345-3851 or 607-753-6711 Fax 607-756-6699

METRIX DOC No: 1157976
REV: A

AUTHORIZATION TO MARK

Standard(s):	UL Standard for Safety for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations [UL 913 Sixth Edition; Dated August 8, 2002; Rev.: August 9, 2004] Intrinsically Safe and Non-incendive Equipment for Use in Hazardous Locations [CAN/CSA C22.2 No. 157 92; Rev.: June 2003] Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations [ANSI/ISA-12.12.01-2012] Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations [CAN/CSA C22.2 No. 213-M1987; Reaffirmed 2008] UL Standard for Safety for Industrial Control Equipment [UL 508; 17th Edition; Dated: January 28, 1999; Rev.: April 15, 2010] Process Control Equipment [CAN/CSA C22.2 No. 142-M1987; Reaffirmed 1993]
Product:	Transmitter for use with non-contact proximity sensor system. For use in Class I Division 1 and 2, Groups A - D, Tamb: -40°C to 85°C, Tcode: T4
Models:	MX2034

METRIX DOC No: 1157976
REV: A