



# Certificate of Compliance

**Certificate:** 1441464 (49334)

**Master Contract:** 168872

**Project:** 2651566

**Date Issued:** October 30, 2013

**Issued to:** Metrix Instrument Co.

8824 Fallbrook Dr.  
Houston, TX 77064  
USA

Attention: Laura Flores

*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.*



*Kerry Barnett*

**Issued by:** Kerry Barnett

## **PRODUCTS**

- CLASS 2258 02** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations
- CLASS 2258 82** - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US 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 02** – PROCESS CONTROL EQUIPMENT- For Hazardous Locations

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

Class I, Groups B, C and D; Class I, Division 2, Groups A, B, C and D; Class II, Groups E, F and G

Vibration Transmitter, Model 162VTS, Rated supply 11-30Vdc; Output 4-20mA; CSA Enclosure Type 4X; Max. Ambient Temperature 100°C; Temperature Code T4A.

METRIX DOC NO: 1187441  
REV: B



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**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 I, Groups A, B, C and D

Vibration Transmitter, Model 162VTS; CSA Enclosure Type 4X; Max. Ambient Temperature 100°C;  
Temperature Code T4; Intrinsically Safe with the following Entity Parameters when connected as per drawing  
number 9464; Vmax = 30V; Imax = 100mA; Ci = 29nF; Li = 0uH

**APPLICABLE REQUIREMENTS**

CSA C22.2 No. 0 - 10 General Requirements - Canadian Electrical Code Part II.

CSA C22.2 No. 25 -1966, Enclosures For Use in Class II, Groups E, F and G Hazardous Locations.

CSA C22.2 No. 30 -1986, Explosion-Proof Enclosures for Use in Class I, Hazardous Locations.

CSA C22.2 No. 142-1987, Process Control Equipment.

CSA C22.2 No 152-1992, Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA C22.2 No 213-1987, Non-Incendive Electrical Equipment for use in Class I, Division 2 Hazardous Locations.

UL 508, Seventeenth Edition, Industrial Control Equipment.

UL 1203 Third Edition, Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

UL 913 Sixth Edition, Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations

**The following pages are the prior revisions of this certificate.**

# Certificate of Compliance

**Certificate:** 1441464 (LR 49334)

**Master Contract:** 168872

**Project:** 1441464 (Edition 1)

**Date Issued:** 2003-07-07

**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:**   
Andrew Redeker, C.E.T.  
Certification Specialist

  
**Authorized by:** Patricia Pasemko  
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; Class I, Division 2, Groups A, B, C and D; Class II, Groups E, F and G

Vibration Transmitter, Model 162VTS, Rated supply 12-30Vdc; Output 4-20mA; CSA Enclosure Type 4X; Max. Ambient Temperature 100°C; Temperature Code T4A.

METRIX DOC NO: 1187441 REV: A
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**Certificate:** 1441464  
**Project:** 1441464

**Master Contract:** 168872  
**Date:** 2003-07-07

**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 US Standards.

**PRODUCTS**

Class I, Groups A, B, C and D

Vibration Transmitter, Model 162VTS; CSA Enclosure Type 4X; Max. Ambient Temperature 100°C; Temperature Code T4; Intrinsically Safe with the following Entity Parameters when connected as per drawing number 9464

- V<sub>max</sub> = 30V
- I<sub>max</sub> = 100mA
- C<sub>i</sub> = 29nF
- L<sub>i</sub> = 0uH

**APPLICABLE REQUIREMENTS**

CSA C22.2 No. 0-1991	General Requirements - Canadian Electrical Code Part II.
CSA C22.2 No. 25 -1966	Enclosures For Use in Class II, Groups E, F and G Hazardous Locations.
CSA C22.2 No. 30 -1986	Explosion-Proof Enclosures for Use in Class I, Hazardous Locations.
CSA C22.2 No. 142-1987	Process Control Equipment.
CSA C22.2 No 157-1992	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations
CSA C22.2 No 213-1987	Non-Incendive Electrical Equipment for use in Class I, Division 2 Hazardous Locations.
UL 508, Seventeenth Edition	Industrial Control Equipment.
UL 1203 Third Edition	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.
UL 913 Sixth Edition	Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, 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: 1187441  
REV: A



## *Supplement to Certificate of Compliance*

**Certificate:** 1441464 (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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
1441464	2003-07-07	Original Certification of Model 162VTS Vibration Transmitter for Hazardous Locations

METRIX DOC NO: 1187441  
REV: A