



Certificate of Compliance

Certificate: 1406550 (LR 49334)

Master Contract: 168872

Project: 2232403

Date Issued: 2009/11/17

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.



Alexander Suvorov

Issued by: Alexander Suvorov

PRODUCTS

CLASS 2258 83 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards

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

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - To U.S. Requirements

PRODUCTS

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

Model SA6350 Accelerometer; Temperature Code rating and maximum ambient as shown below; Intrinsically safe when connected as per installation drawing 9459 with Entity Parameters as follows:

METRIX DOC No: 1159682
REV: A



Certificate: 1406550 (LR 49334)

Master Contract: 168872

Project: 2232403

Date Issued: 2009/11/17

V_{max} = 28Vdc, I_{max} = 93mA, C_i = 56nF, L_i = 0mH

T Code	Charge Amp	Accelerometer
T1	-40°C ≤ Ta ≤ 120°C	-40°C ≤ Ta ≤ 325°C
T2	-40°C ≤ Ta ≤ 120°C	-40°C ≤ Ta ≤ 280°C
T3	-40°C ≤ Ta ≤ 108°C	-40°C ≤ Ta ≤ 185°C
T4	-40°C ≤ Ta ≤ 108°C	-40°C ≤ Ta ≤ 120°C
T5	-40°C ≤ Ta ≤ 58°C	-40°C ≤ Ta ≤ 85°C
T6		-40°C ≤ Ta ≤ 70°C

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 - To U.S. Requirements

PRODUCTS

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

Model SA6350 Accelerometer; Temperature Code rating and maximum ambient as shown below; Rated 30Vdc, 4-20mA maximum:

T Code	Charge Amp	Accelerometer
T1	-40°C ≤ Ta ≤ 120°C	-40°C ≤ Ta ≤ 325°C
T2	-40°C ≤ Ta ≤ 120°C	-40°C ≤ Ta ≤ 280°C
T3	-40°C ≤ Ta ≤ 108°C	-40°C ≤ Ta ≤ 185°C
T4	-40°C ≤ Ta ≤ 108°C	-40°C ≤ Ta ≤ 120°C
T5	-40°C ≤ Ta ≤ 58°C	-40°C ≤ Ta ≤ 85°C
T6		-40°C ≤ Ta ≤ 70°C

METRIX DOC No: 1159682
REV: A



Certificate: 1406550 (LR 49334)

Master Contract: 168872

Project: 2232403

Date Issued: 2009/11/17

Note: The SA6350 for use in Class I, Division 2 must be connected to a Non-Incendive Source.

APPLICABLE REQUIREMENTS

C22.2 NO 0-M91-CAN/CSA, Eighth Edition	General Requirements - Canadian Electrical Code Part II
C22.2 No 142 - M1987	Process Control Equipment
C22.2 No 157-92-CAN/CSA, Third Edition Hazardous Locations	Intrinsically Safe and Non-Incendive Equipment for Use in
C22.2 No 213 - M1987 Division 2 Hazardous Locations	Non-Incendive Electrical Equipment for Use in Class I,
UL 508, Seventeenth Edition	Industrial Control Equipment
UL 698, Thirteenth Edition (Classified) Locations	Industrial Control Equipment for Use in Hazardous
UL 913, Seventh Edition use in Class I, II, III, Division 1, Hazardous (Classified) Locations	Intrinsically Safe Apparatus and Associated Apparatus for
UL 1604, Third Edition 2, And Class III Hazardous (Classified) Locations	Electrical Equipment for Use in Class I and II, Division

METRIX DOC No: 1159682
REV: A



Supplement to Certificate of Compliance

Certificate: 1406550

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
2232403	2009/11/17	Update of report 1406550 to include updated drawings
History		
1406550	2003-08-29	Original Certification of Model SA6350 Accelerometer for Hazardous Locations

METRIX DOC No: 1159682
REV: A

The following pages are the prior revisions of this certificate.

Certificate of Compliance

Certificate: 1406550 (LR 49334)

Master Contract: 168872

Project: 1406550 (Edition 1)

Date Issued: 2003-08-29

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

Authorized by: *[Signature]*
 Patricia Pasemko
 Operations Manager

CLASS

2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - To U.S. Requirements

PRODUCTS

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

Model SA6350 Accelerometer; Temperature Code rating and maximum ambient as shown below; Intrinsically safe when connected as per installation drawing 9459 with Entity Parameters as follows:
 $V_{max} = 28V_{dc}$, $I_{max} = 93mA$, $C_i = 56nF$, $L_i = 0mH$

<u>T Code</u>	<u>Charge Amp</u>	<u>Accelerometer</u>
T1	$-40^{\circ}C \leq T_a \leq 120^{\circ}C$	$-40^{\circ}C \leq T_a \leq 325^{\circ}C$
T2	$-40^{\circ}C \leq T_a \leq 120^{\circ}C$	$-40^{\circ}C \leq T_a \leq 280^{\circ}C$
T3	$-40^{\circ}C \leq T_a \leq 108^{\circ}C$	$-40^{\circ}C \leq T_a \leq 185^{\circ}C$
T4	$-40^{\circ}C \leq T_a \leq 108^{\circ}C$	$-40^{\circ}C \leq T_a \leq 120^{\circ}C$
T5	$-40^{\circ}C \leq T_a \leq 58^{\circ}C$	$-40^{\circ}C \leq T_a \leq 85^{\circ}C$
T6		$-40^{\circ}C \leq T_a \leq 70^{\circ}C$

METRIX DOC No: 1159682
 REV: A

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.

Certificate: 1406550

Master Contract: 168872

Project: 1406550

Date: 2003-08-29

CLASS

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

2258 83 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations - To U.S. Requirements

PRODUCTS

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

Model SA6350 Accelerometer; Temperature Code rating and maximum ambient as shown below; Rated 30Vdc, 4-20mA maximum:

<u>T Code</u>	<u>Charge Amp</u>	<u>Accelerometer</u>
T1	$-40^{\circ}\text{C} \leq T_a \leq 120^{\circ}\text{C}$	$-40^{\circ}\text{C} \leq T_a \leq 325^{\circ}\text{C}$
T2	$-40^{\circ}\text{C} \leq T_a \leq 120^{\circ}\text{C}$	$-40^{\circ}\text{C} \leq T_a \leq 280^{\circ}\text{C}$
T3	$-40^{\circ}\text{C} \leq T_a \leq 108^{\circ}\text{C}$	$-40^{\circ}\text{C} \leq T_a \leq 185^{\circ}\text{C}$
T4	$-40^{\circ}\text{C} \leq T_a \leq 108^{\circ}\text{C}$	$-40^{\circ}\text{C} \leq T_a \leq 120^{\circ}\text{C}$
T5	$-40^{\circ}\text{C} \leq T_a \leq 58^{\circ}\text{C}$	$-40^{\circ}\text{C} \leq T_a \leq 85^{\circ}\text{C}$
T6	$-40^{\circ}\text{C} \leq T_a \leq 58^{\circ}\text{C}$	$-40^{\circ}\text{C} \leq T_a \leq 70^{\circ}\text{C}$

Note: The SA6350 for use in Class I, Division 2 must be connected to a Non-Incendive Source.

APPLICABLE REQUIREMENTS

C22.2 No 0 - M1991	General Requirements - Canadian Electrical Code Part II.
C22.2 No 142 - M1987	Process Control Equipment.
C22.2 No 157 - M1992	Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.
C22.2 No 213 - M1987	Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.
UL 508, Seventeenth Edition	Industrial Control Equipment.
UL 698, Eleventh Edition	Industrial Control 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.



CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1406550 (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
1406550	2003-08-29	Original Certification of Model SA6350 Accelerometer for Hazardous Locations

METRIX DOC No: 1159682
REV: A