



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEX CSA 12.0014X	Issue No: 4	Certificate history:
Status:	Current	Page 1 of 4	Issue No. 4 (2016-06-12)
Date of Issue:	2016-06-12		Issue No. 3 (2016-02-25)
Applicant:	Computational Systems, Inc. 835 Innovation Drive Knoxville, TN 37932 United States of America		Issue No. 2 (2015-12-07)
Equipment:	Vibration Monitor CSI 9420		Issue No. 1 (2015-06-08)
Optional accessory:			Issue No. 0 (2012-08-24)
Type of Protection:	Ex ia and Ex ic		
Marking:	Ex ia IIB T4 Ga Ex ic IIC T4 Gc Ta: -40°C to +85°C Ta: -20 to 80C for version w/LCD		

Approved for issue on behalf of the IECEx
Certification Body:

Dorin Stochitoiu

Position:

Technical Advisor

Signature:
(for printed version)

Date:

JUNE 12, 2016

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website

Certificate issued by:

CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
and

1707 - 94th Street, Edmonton, AB T6N 1E6
Canada





IECEX Certificate of Conformity

Certificate No: IECEx CSA 12.0014X

Issue No: 4

Date of Issue: 2016-06-12

Page 2 of 4

Manufacturer: **Computational Systems, Inc.**
835 Innovation Drive
Knoxville, TN 37932
United States of America

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

CA/CSA/ExTR12.0013/00
CA/CSA/ExTR12.0013/03

CA/CSA/ExTR12.0013/01
CA/CSA/ExTR12.0013/04

CA/CSA/ExTR12.0013/02

Quality Assessment Report

GB/FME/QAR11.0008/02



IECEX Certificate of Conformity

Certificate No: IECEx CSA 12.0014X

Issue No: 4

Date of Issue: 2016-06-12

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The CSI 9420 Vibration Monitor is used to monitor vibration of equipment in Zone 0 and Zone 2 explosive atmospheres. It is powered by a user-replaceable primary battery pack and communicates the data via a RF link. Field mounted accelerometers (certified) connect to the CSI 9420 via a cable. A certified Hart Communicator may also be connected for configuration etc. It consists of various circuit board assemblies mounted in a rugged aluminum alloy or stainless-steel enclosure.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The antenna may present a potential electrostatic ignition hazard and must not be rubbed or cleaned with a dry cloth.
2. The apparatus may be equipped with an aluminum alloy or stainless-steel enclosure. The aluminum alloy enclosure is given a protective polyurethane paint finish; however, care should be taken to protect it from impact or abrasion if located in a zone 0 environment.
3. For use with Emerson Battery Pack Model 701PBKKF or A0701PBU.
4. Intrinsically Safe when installed per drawing D25418.
5. The battery pack may present a potential electrostatic ignition hazard. Use Caution when replacing battery pack.



IECEX Certificate of Conformity

Certificate No: IECEx CSA 12.0014X

Issue No: 4

Date of Issue: 2016-06-12

Page 4 of 4

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1:

Addition of Ex ic IIC T4 Gc marking to Vibration monitor Model CSI 9420.

Issue 2:

Update to cover minor changes not affecting protection method.

Issue 3:

Addition of the alternate power module MHM-89004 (A0701PBU) certified under IECEx 15.0045X

Issue 4:

Update to cover drawings update.