



# Certificate of Compliance

**Certificate:** 70033102

**Master Contract:** 161047

**Project:** 70122583

**Date Issued:** 2017-04-19

**Issued to:** Computational Systems, Inc.  
835 Innovation Dr  
Knoxville, Tennessee 37932  
USA

**Attention:** Jonathan Clemons

*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:** *David Whitaker*  
David Whitaker

## **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 2, Groups A, B, C, D; T4**

**Class II, Division 2, Groups F, G; T105°C**

- CSI2140 Machinery Health Analyzer Models: B214001, B214002; battery powered with internal Lithium battery pack 7.2VDC, 11.6Ah, P/N B2140BATPACK. Conditions of safe use and connection as per Control Drawing D25639 for Model B214001 or Control Drawing D25671 for Model B214002. Operating ambient:  $-20^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$ .

Notes:

1. Battery replacement must be CSI P/N B2140BATPACK. Battery pack replacement must be performed in areas known to be non-hazardous.
2. Battery pack must be charged in non-hazardous locations only.  
Nominal Input Voltage = 15VDC, Current = 1820mA.
3. USB connection and Ethernet communication to be used only in areas known to be non-hazardous.



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4. Tach power output to be used only in areas known to be non-hazardous.
5. The unit shall be used such that it is substantially protected from daylight and protected during storage and transit. If leaving the device unattended outdoors, it is recommended to store the unit in a shaded area or with the LCD facing down.
6. When used in hazardous or non-hazardous areas, the charging/USB/Ethernet connection cap shall always be properly closed, and the bulkhead connectors shall always be capped when not in use.
7. When used in the hazardous or non-hazardous area, the unit shall be connected to suitably-certified devices providing proper ingress protection against water and dust.
8. Substitution of components and cables may impair suitability for Division 2. Each cable conductor must have a minimum insulation thickness of 0.25 mm.

#### **APPLICABLE REQUIREMENTS**

CAN/CSA C22.2 No. 0-10	General Requirements – Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 61010-1-12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
ISA 12.12.01-2015/ CSA Std C22.2 No. 213-2016	Non-Incendive Electrical Equipment for Use in Class I and Class II, Division 2 and Class III, Division 1 and 2 Hazardous (Classified) Locations
UL 61010-1:12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements



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### *Supplement to Certificate of Compliance*

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*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>
70122583	2017-04-19	Drawing updates for keyboard, cables, and digital board assembly
70059279	2016-04-01	Update Report 70033102 to add Model B214002, and extend certification to include Class II, Division 2
70033102	2015-05-25	CSI2140 Health Analyzer for Class I, Division 2