Certificate of Compliance

Certificate: 70033102 **Master Contract:** 161047

Project: 70162559 **Date Issued:** 2017-11-16

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: *Amandeep Singh Khatra*
Amandeep Singh Khatra

PRODUCTS

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 - CERTIFIED TO U.S. STANDARDS

Class I, Division 2, Groups A, B, C, D; T4
Class II, Division 2, Groups F, G; T105ºC

- 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: - 20ºC ≤ Ta ≤ 50ºC.

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.
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, Division1 and 2 Hazardous (Classified) Locations
UL 61010-1:12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

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

Project	Date	Description
70162559	2017-11-16	Update to report 70033102 to include minor changes to the installation drawings.
70158762	2017-10-18	Update to report 70033102 to include minor drawing changes to show a revised keypad construction and an alternate radio board.
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