



# Certificate of Compliance

**Certificate:** 70110164

**Master Contract:** 248090

**Project:** 70128061

**Date Issued:** March 21, 2017

**Issued to:** Ecom Instruments GmbH  
Industriestrasse 2  
Assamstadt, Baden-Wurttemberg 97959  
Germany  
**Attention:** Mr. Kevin Spence

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



**Issued by:**

Eddie Lee

## **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 US Standards

Class I, Division 2, Groups A, B, C, D, T Code T5

Class I, Division 2, Groups A, B, C, D, T Code T4 (If apply alternate Ambient Temperature Range as -10°C to +55°C)

Model Pad-Ex 01 DXX, (X = 0 to 9, A to Z, a to z, or blank for marketing purpose), Intrinsically Safe Tablet PC, Battery Powered (Battery P/N R11AH or R11AH2XXXXXXXXX rechargeable lithium-ion battery pack), Ambient Temperature Range: 0°C to +40°C

Alternate Ambient Temperature Range: -10°C to +55°C with T Code must be marked as T4.

Note: The "X" in the model designations may be any alphanumeric character or blank denoting minor mechanical options, system configuration options and/or safety extra low voltage secondary circuit options.



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Conditions of Safe Use:

- 1) Connection to or from this device, which enters or leaves the system enclosure, must be completely restricted in Class I, Division 2 Hazardous Locations.
- 2) Intrinsically Safe Tablet PC is to be charged by the supplied charging adaptor, type FSP065-RAB or FSP065- REBN2, manufactured by FSP Group, in Non-Hazardous Location only.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-10 August 2011	General requirements — Canadian Electrical Code, Part II
CSA C22.2 No. 213-16 May 2016	Non-incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
ANSI/ISA-12.12.01-2015 CAN/CSA C22.2 NO. 213-15 Harmonized standard	Nonincendive Electrical Equipkment for Use in Class I and II, Division 2 and Class III, Division 1 and 2 Hazardous (Classified) Locations.

**The following standard(s) were used in whole or in part as a guideline.**

CAN/CSA No.60950-1-07 Second Edition, Dated November, 2011	Information Technology Equipment – Safety – Part 1: General Requirements
ANSI/UL No.60950-1 Second Edition, Dated November 19, 2007	Information Technology Equipment – Safety – Part 1: General Requirements



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## **MARKINGS**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The following markings are provided on a CSA Accepted (Class 7921.xx) or UL Recognized to Canadian requirements (PGDQ8) and UL Recognized (PGDQ2) or CSA Accepted to US Standards (Class 7921.8x) adhesive nameplate, which is suitable for indoor use on aluminum, at a maximum service temperature of 100°C or higher. Nameplate is affixed to the bottom of the housing.

- The CSA mark with or without “C” and / or “US” indicators;
- Manufacturer name: “Ecom Instruments GmbH” or CSA Master Contract Number “248090”, adjacent to the CSA Mark, in lieu of the manufacturer name;
- Model number: as specified in the PRODUCTS section above;
- Electrical ratings: as specified in the PRODUCTS section above;
- Maximum Ambient temperature range: as specified in the PRODUCTS section above;
- Manufacturing date in the format MMY, or serial number, traceable to month and year of manufacture;
- Hazardous Location designation: as specified in the PRODUCTS section above;
- Temperature code: as specified in the PRODUCTS section above.
- The following words:
  - “WARNING: TO PREVENT IGNITION OF A HAZARDOUS ATMOSPHERE, BATTERIES MUST ONLY BE CHARGED IN AN AREA KNOWN TO BE NON-HAZARDOUS.” And,  
“AVERTISSEMENT- RISQUE D'EXPLOSION- AFIN D'EVITER TOUT RISQUE D'EXPLOSION, S'ASSURER QUE L'EMPLACEMENT EST DESIGNÉ NON DANGEREUX AVANT DE CHANGER LA BATTERIE.”
  - “WARNING - EXPLOSION HAZARD - DO NOT CONNECT OR DISCONNECT WHILE CIRCUIT IS LIVE UNLESS AREA IS KNOWN TO BE NON-HAZARDOUS.” And,  
“AVERTISSEMENT - RISQUE D'EXPLOSION. NE PAS BRANCHER OU DÉBRANCHER TANT QUE LE CIRCUIT EST SOUS TENSION, À MOINS QU'IL NE S'AGISSE D'UN EMBLACEMENT NON DANGEREUX.”



## *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>
70128061	March 21, 2017	Change minor Typo of report, and to update the latest version of schematics and PCB Layout without any design change. No additional tests conducted.
70110164	February 24, 2017	Original Certification.