





**Certificate:** 2675834

**Master Contract:** 167534

**Project:** 80242866

**Date Issued:** 2025-04-17

### **APPLICABLE REQUIREMENTS**

CAN/CSA C22.2 NO. 61010-1-12 +AMD1+(Third Edition)(R2022) - Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements - Third Edition; Errata: July 2019

ANSI/UL 61010-1-2012 - Third Edition - Including revisions through June 6, 2023 - Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements

CAN/CSA-C22.2 No. 60079-0:19 (R2024) - Explosive atmospheres — Part 0: Equipment — General requirements

ANSI/UL 60079-0-2020 (Seventh Edition) - Explosive Atmospheres - Part 0: Equipment - General Requirements

CAN/CSA C22.2 No. 60079-11:14 - Second Edition - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”

ANSI/UL 60079-11 (Sixth Edition) - UL Standard for Safety Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”

UL 913:2006 - Seventh Edition - UL Standard for Safety Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division I, Hazardous (Classified) Locations

### **Conditions Of Acceptability**

- i. The Altair 2X shall only be fitted with either a Saft, LS17330 or an EEMB, ER17335 3.6 V Lithium battery.
- ii. The Lithium battery shall only be changed outside the hazardous area.
- iii. No precautions against electrostatic discharge are necessary for portable equipment that has an enclosure made of plastic, metal or a combination of the two, except where a significant static generating mechanism has been identified. Activities such as placing the item in a pocket or on a belt, operating a keypad or cleaning with a damp cloth, do not present a significant electrostatic risk. However, where a static-generating mechanism is identified, such as repeated brushing against clothing, then suitable precautions shall be taken, e.g. the use of anti-static footwear. Also, the product enclosure includes accessible metal parts. The end user shall determine suitability in the specific application as the measured capacitance of the metal back clip on the product is 40pF.

### **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 products listed 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 U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

### **Nameplate adhesive label material approval information:**



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The following markings are provided on a UL Recognized to Canadian requirements (PGJ18) and UL Recognized (PGJ12) adhesive nameplate, used with the printer and ribbon specified in the Listing, and is suitable for indoor and outdoor use on clear polycarbonate at a maximum service temperature of 50°C or higher. Nameplate is affixed to the unit exterior.

- Listee name or CSA Master Contract Number adjacent to the CSA Mark in lieu of manufacturer's name.
- Model number: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- The CSA Mark with "C" and "US" indicators, as shown on the Certificate of Compliance.
- The designation "CSA 14CA2675834X"
- Hazardous Location designation, as specified in the PRODUCTS section, above.
- Temperature code: As specified in the PRODUCTS section, above.
- "Exia"
- Warnings and Cautions (shall appear in both English and French)
  - The triangle/exclamation mark symbol with "reference manual for warning and cautions".
  - "Intrinsically Safe", adjacent to the CSA Mark.

All units are provided with an instruction manual which contains the following Warnings and Cautions:

- The triangle/exclamation mark symbol followed by text "WARNING: AVERTISSEMENT" immediately followed by, "Change battery only in non-hazardous locations. Use only compliant batteries EEMB ER17335 or Saft LS17330."
- "Substitution of components may impair Intrinsic Safety"



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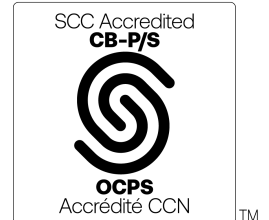
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Notes:

Products certified under Class(es) C482802, C482882 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## 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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Project	Date	Description
80242866	2025-04-17	<p>Update to report 2675834 to include revisions to multiple drawings, release of new manual and addendum, and to update to the latest editions of the following standards per Hazloc Notice No. 23:</p> <p>CAN/CSA-C22.2 No. 60079-0:19 (4th Edition) CAN/CSA-C22.2 No. 60079-11:14 (2nd Edition)</p> <p>Along with adding the following equivalent UL standards:</p> <p>ANSI/UL 60079-0-2020 (7TH Edition) ANSI/UL 60079-11-2014 (6TH Edition)</p> <p>And per Inform 25A, updating to the following Ordinary Locations standards:</p> <p>CAN/CSA C22.2 No. 61010-1-12 + AMD1 (3rd Edition) ANSI/UL 61010-1: 2012 (3RD Edition)</p>
80156177	2023-04-17	<p>Update markings section to include verbiage on accepted label materials in Report 2675834 (MSA ALTAIR 2X)</p>
70181230	2018-05-09	<p>Evaluation to update report 2675834 with updated drawings reflecting changes to PCB artwork.</p>
70128595	2017-07-27	<p>Update to report 2675834 to record changes made to the product manual</p>
2675834	2014-02-18	<p>Original cCSAus certification of Altair 2X portable toxic gas detector.</p>