



Certificate of Compliance

Certificate: 70192017

Master Contract: 273229

Project: 80001651

Date Issued: June 27, 2019

Issued to: Acez Sensing Pte Ltd
No.2 Joo Koon Circle
Singapore, 629031
Singapore

Attention: Mr. Prabakar B.

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 02

PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS - 2258 82

PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to U.S. Standard

Class I, Division 1, Groups C, D

Temperature Measurement Product, RTD Sensor Assembly, Model Atex-03, rated output up to 300 mW, $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq 70^{\circ}\text{C}$.



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Conditions of acceptability:

1. The RTD is a Certified component intended to be used in combination with other Certified components where the final assembly of these components shall be evaluated and subjected to acceptance of local authority having jurisdiction. The RTD and the explosion proof enclosure shall both have the appropriate rating and Certifications/Listing. The maximum explosion reference pressure of the enclosure shall not exceed 300 psi.
2. MI cable: Minimum length = 120 mm.
Bending direction:
 - a. Standard version straight.
 - b. Standard version R26 minimum bent radius.
3. MI cable wiring leads shall be a minimum 24AWG, rated 2A, minimum 90°C, CSA certified or cUL listed or UL recognized or with other equivalent Certification Marks.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-10 August 2011	General requirements — Canadian Electrical Code, Part II
CSA C22.2 No. 30-M1986 (Reaffirmed 2012)	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
FM 3600 December 2011	Approval Standard for Electrical Equipment for Use in Hazardous (Classified) Locations – General Requirements
FM 3615 August 2006	Approval Standard for Explosion proof Electrical Equipment General Requirements
CSA C22.2 No.14-18 Thirteenth Edition	Industrial control equipment
UL 508 Eighteenth Edition	UL Standard for Safety Industrial Control Equipment



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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 metal nameplate, which will be tied to the temperature sensor with a secured metal tie between two parts of the Ex compression fitting.

- The CSA mark with “C” and “US” indicators;
- Manufacturer name: “Acez” or CSA Master Contract Number “273229”, 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;



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
80001651	June 27, 2019	Change Model name from AS-CSA-BT-01 into Atex-03. Narrow down output rating. Revise Marking Sections in Report. Revise Note Section in both cover pages of Report and Certificate.
70192017	December 21, 2018	Original Certification for Temperature Measurement Product, RTD Sensor Assembly, Model AS-CSA-BT-01 to apply in Class I, Division 1, Groups C, D Hazardous Locations.