



# Certificate of Compliance

**Certificate:** 70219727

**Master Contract:** 237484

**Project:** 70219727

**Date Issued:** 2019-03-26

**Issued to:** Automation Products Group Inc  
1025 West 1700 North  
Logan, Utah 84321  
USA  
Attention: Karl Reid

*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:** Jigneshkumar Dabhi  
Jigneshkumar Dabhi

## **PRODUCTS**

**CLASS - C225804 - PROCESS CONTROL EQUIPMENT-Intrinsically Safe, Entity - For Hazardous Locations-**

**CLASS - C225884 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity-- For Hazardous Locations - Certified to US Standards**

**Class I, Division 1, Groups C, D, T4; IP 65\***

**Class I, Zone 0, Ex/AEx ia, IIB, T4, Ga  
Ex ia IIB, T4, Ga**

MPI Vibration Sensors, rated 8-24 VDC, I<sub>max</sub> = 280 mA; T<sub>amb</sub> = -40°C to +85°C, Intrinsically Safe when installed per drawing 9005491

Entity Parameters: U<sub>i</sub>= 28V, I<sub>i</sub>= 280mA, P<sub>i</sub>=0.850W, L<sub>i</sub>=3.50μH, C<sub>i</sub>=0.374μF

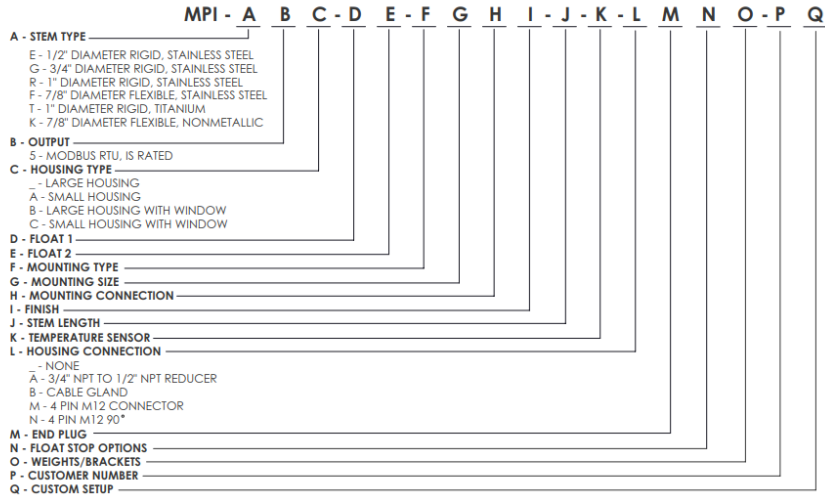
\*IP 65 is only for STEM Type E, G, R, F and T.

The MPI series utilizes a configurator style model coding system as defined below:  
MPI-ABC-DE-FGHI-J-K-LMNO-PQ



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**Conditions of Acceptability:**

1. Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
2. The enclosure is manufactured from Aluminum. In rare cases, ignition sources due to impact and friction sparks could occur. This shall be considered during installation.
3. IP 65 is not a part of the hazardous location ratings and is tested separately.

**APPLICABLE REQUIREMENTS**

Standard	Description
<b>C22.2 No. 60079-0:2019</b>	Explosive atmospheres – Part 0: Equipment – General requirements
<b>C22.2 No. 60079-11:2014</b>	Explosive atmospheres — Part 11: Equipment protection by intrinsic safety “i”
<b>C22.2 No. 61010-1-12</b>	Safety Requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements
<b>UL 61010-1:2012</b>	UL Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements, 3 <sup>rd</sup> . Ed.
<b>UL 60079-0: 2013</b>	Standard for Safety – Explosive Atmospheres – Part 0: Equipment – General Requirements, Ed. 6



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**UL 60079-11:2014**

Standard for Safety – Explosive Atmospheres – Part 11:  
Equipment Protection by Intrinsic Safety “I”, Ed. 6

## **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.

1. Manufacturer’s name or registered trade mark;
2. Model Number as in the PRODUCTS section, above;
3. Serial number S/N XXXXXX;
4. “Install per document 9005491”
5. Ambient Temperature Rating: as specified in the PRODUCTS section above;
6. DC Power Symbol as per Table 1, IEC 61010-1: ---
7. Hazardous Location Designation: As specified in PRODUCTS section above;
8. IP 65 (Only for STEM Type Type E, G, R, F and T).
9. Certificate number: CSA19CA70219727

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

1. The following markings are provided on a UL Recognized adhesive nameplate (also used previously on CSA certificate 2397437) manufactured by Zebra Technologies International, LLC, Material: Z-Ultimate 4000T, printed with a resin ribbon manufactured by Zebra Technologies International LLC, Material: 5100 Premium Resin Ribbon, at a maximum service temperature of 135°C or higher.



## *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>
70219727	2019-03-26	Original Certification of Model MPI sensor for Class I, Division 1, Groups C,D, Class I, Zone 0, AEx ia T4 IIB Ga and Ex ia IIB T4 G a.