



# Certificate of Compliance

**Certificate:** 1916494

**Master Contract:** 237484 (237484)

**Project:** 70177689

**Date Issued:** 2018-06-26

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

*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:** *Albert Jansen*  
Albert Jansen

## PRODUCTS

**CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity - For Hazardous Locations**

**CLASS 2258 84 - PROCESS CONTROL EQUIPMENT - Intrinsicly Safe, Entity - For Hazardous Locations - To U.S. Requirements**

**Class I, Division 1, Groups C, D**

**Class I, Zone 0**

**Ex ia IIB T4**

**AEx ia IIB T4**

- Hammer Union Pressure Sensor, Model HU-Ln-IS, HU-1502SS-Ln, and HU1502I-Ln (where Ln = L1, L3, L24 or L27). Temperature Code Rating T4; Ambient range -40°C to +85°C; Enclosure Type: IP65 and IP67; Maximum Working Pressure: 20,000 PSI; Installed as per Drawing 9002460; Intrinsicly Safe with the following Entity Parameters:

V<sub>max</sub>, U<sub>i</sub> = 28Vdc

I<sub>max</sub>, I<sub>i</sub> = 110mA

P<sub>max</sub>, P<sub>i</sub> = 1W

C<sub>i</sub> = 60.89nF

L<sub>i</sub> = 7.7mH



**Certificate:** 1916494  
**Project:** 70177689

**Master Contract:** 237484  
**Date Issued:** 2018-06-26

**Conditions of Acceptability**

- To maintain IP67/65 rating, the equipment shall be installed with a certified IP67/65 mating connector.
- This device must be connected to a NRTL approved safety barrier

Note: Suffixes are added to indicate options not affecting safety.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-10 (R2015)	General Requirements – Canadian Electrical Code, Part II
CAN/CSA-C22.2 No. 60950-1-07	Information technology Equipment – Safety – Part1: General Requirements
CAN/CSA-C22.2 No. 60079-0:15	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN/CSA-C22.2 No. 60079-11:14	Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety "i"
UL 60950-1 Edition 2	Information technology Equipment – Safety – Part1: General Requirements
ANSI/UL 60079-0:13	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
ANSI/UL 60079-11:13	Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety “i”



**Certificate:** 1916494  
**Project:** 70177689

**Master Contract:** 237484  
**Date Issued:** 2018-06-26

---

## **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) Submitter's name, trademark, or the CSA file number (adjacent the CSA Mark).
- (2) Catalogue / Model designation.
- (3) Entity Parameters
- (4) Date code / Serial number traceable to month and year of manufacture.
- (5) Hazardous Location designations.
- (6) The words "Exia, INTRINSICALLY SAFE".
- (7) Temperature code T4.
- (8) Ambient -40°C to +85°C
- (9) Maximum working pressure.
- (10) Enclosure Type: IP 65/67
- (11) The CSA Mark with the c and us qualifiers as applicable.

The products listed above are eligible to bear the CSA Mark 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.



**Certificate:** 1916494  
**Project:** 70177689

**Master Contract:** 237484  
**Date Issued:** 2018-06-26

### *Supplement to Certificate of Compliance*

**Certificate:** 1916494

**Master Contract:** 237484 (237484)

*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

<b>Project</b>	<b>Date</b>	<b>Description</b>
70177689	2018-06-26	Update CSA Report 1916494 to add two new housing designs, specified as HU-1502I and HU-1502SS. Upgrade all models from CSA 142-M1987 to UL/CSA 61010-1.
2703264	2014-09-15	Update to Report 1916494 to revise input filter board.
2615564	2013-04-02	Update to include revised drawings with minor changes.
2517307	2012-08-09	Update to include a new EMI board within the Hammer Union Pressure Sensor as well an IP65/67 certification for the sensor enclosure.
1916494	2007-05-30	Supersedes report 1854327 (sub report 1726089) to change listing to show Ex ia and AEx ia.