Certificate of Compliance

Certificate:	1984045	**Master Contract:**	237484
Project:	80247909	**Date Issued:**	2026-03-26
Issued to:	**Automation Products Group Inc** **1025 West 1700 North** **Logan, Utah 84321** **United States** **Attention:** Robert Barson	**Issued by:**	*Daniel Ergezi* Daniel Ergezi, Certifier I

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.

PRODUCTS

Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
Class 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups C, D T4, Ex ia
Class I Zone 0, AEx ia IIB T4 Ga
Ex ia IIB T4 Ga

- Model PT-400Y-L1xxxx Pressure Transmitter. Rated 9-28VDC, 4-20mA. Maximum Working Pressure: 10,000 PSI. Installed as per Drawing 9002794. Ambient Range: -40°C to +80°C. Enclosure type: IP65. Single Seal. Intrinsically safe with the following entity parameters:

  Vmax, Ui = 28V

Imax, Ii = 110mA
Pmax, Pi = 0.77W
Ci = 0.055µF
Li = 7.95µH

- Model PT-500Y-xxxx Pressure Transmitter; Maximum Ambient 80° C; Temperature Code T4; Maximum Working Pressure 10,000 PSI. Installed as per Drawing 9002803. Single Seal. Entity parameters as follows:

  Vmax, Ui = 28V
  Imax, Ii = 110mA
  Pmax, Pi = 0.77W
  Ci = 0.042µF
  Li = 0.320µH

- Model PT-400-L1xxxx Pressure Transmitter (4-20mA output). Maximum Working Pressure: 30,000 psi for P56/P57 option, otherwise 10,000 psi.
  Installed as per Drawing 9006920. Ambient Range: -40°C to +80°C. Enclosure type: IP65. Single Seal.
  Intrinsically safe with the following entity parameters:

  Vmax, Ui = 28V
  Imax, Ii = 110mA
  Pmax, Pi = 0.77W
  Ci = .121µF
  Li = 7.95µH

- Model PT-400-L3/L10/L12/L20/L21xxxx Pressure Transmitter (voltage output). Maximum Working Pressure: 30,000 psi for P56/P57 option, otherwise 10,000 psi. Installed as per Drawing 9006920. Ambient Range: -40°C to +80°C. Enclosure type: IP65. Single Seal. Intrinsically safe with the following entity parameters:

  Vmax, Ui = 28V
  Imax, Ii = 110mA
  Pmax, Pi = 0.77W
  Ci = 0.132µF
  Li = 15.9µH

- Model PT-400-L5/L31xxxx Pressure Transmitter (Modbus output). Maximum Working Pressure: 30,000 psi for P56/P57 option, otherwise 10,000 psi. Installed as per Drawing 9006920. Ambient Range: -40°C to +80°C. Enclosure type: IP65. Single Seal. Intrinsically safe with the following entity parameters:

  Vmax, Ui = 28V
  Imax, Ii = 110mA
  Pmax, Pi = 0.77W
  Ci = 0.418µF
  Li = 7.95µH

- Model PT-500-L1xxxx Pressure Transmitter (4-20mA output). Maximum Working Pressure: 10,000 PSI. Installed as per Drawing 9006922. Ambient Range: -40°C to +80°C. Single Seal. Intrinsically safe with the following entity parameters:

  Vmax, Ui = 28V
  Imax, Ii = 110mA
  Pmax, Pi = 0.77W
  Ci = 0.394µF
  Li = 7.95µH

- Model PT-500-L3/L10/L12/L20/L21xxxx Pressure Transmitter (voltage output). Maximum Working Pressure: 10,000 PSI. Installed as per Drawing 9006922. Ambient Range: -40°C to +80°C. Single Seal. Intrinsically safe with the following entity parameters:

  Vmax, Ui = 28V
  Imax, Ii = 110mA
  Pmax, Pi = 0.77W
  Ci = 0.405µF
  Li = 15.9µH

- Model PT-500-L5/L31xxxx Pressure Transmitter (Modbus output). Maximum Working Pressure: 10,000 PSI. Installed as per Drawing 9006922. Ambient Range: -40°C to +80°C. Single Seal. Intrinsically safe with the following entity parameters:

  Vmax, Ui = 28V
  Imax, Ii = 110mA
  Pmax, Pi = 0.77W
  Ci = 0.418µF
  Li = 7.95µH

Conditions of Acceptability: PT-400-xxxx and PT-400Y-L1xxxx (Intrinsically safe “ia” versions)

1. The "x" in the Model designations may be any alpha-numeric character, to denote minor mechanical options, not affecting safety.

2. These devices must be connected to a NRTL approved diode safety barrier (located in a safe area).

3. The equipment must be connected to a certified class 2 SELV power supply

Conditions of Acceptability: PT-500Y-xxxx and PT-500-xxxx (Intrinsically safe “ia” versions)

1. The "x" in the Model designations may be any alpha-numeric character, to denote minor mechanical options, not affecting safety.

2. These devices must be connected to a NRTL approved diode safety barrier (located in a safe area).

3. The equipment must be connected to a certified class 2 SELV power supply

4. The devices meet an ingress protection rating minimum of IP20. The devices shall be installed with sensor body full submerged in process fluid or attached to equipment via integrated process connection threads.

Class 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations
Class 2258 82 PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups C, D T4

Model PT-405-xxxxxxxxx Pressure Transmitter. Explosion-proof. Rated 9-28V_{DC}, 4-20mA/0-5VDC/0-10VDC/RS485. Maximum working pressure (MEMS): 1,000 psi). Maximum working pressure (Foil): 30,000psi. Ambient Range: -40°C to +85°C. Single Seal.

Conditions of Acceptability

1. The equipment must be connected to a certified class 2 SELV power supply
2. The conduit connected to the equipment must be sealed within 18 inches of the equipment enclosure.
3. The "x" in the model designation may be any alpha-numeric character, to denote minor mechanical or electrical options, not affecting safety.

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 C and D, T4
Class I, Zone 2, AEx ec IIB T4 Gc
Ex ec IIB T4 Gc

- Model PT-400-L1xxxx Pressure Transmitter (4-20mA output). Maximum Working Pressure: 30,000 psi for P56/P57 option, otherwise 10,000 psi. Ambient Range: -40°C to +80°C. Enclosure type: IP65. Single Seal.

- Model PT-400-L3/L10/L12/L20/L21xxxx Pressure Transmitter (VDC output). Maximum Working Pressure: 30,000 psi for P56/P57 option, otherwise 10,000 psi.. Ambient Range: -40°C to +80°C. Enclosure type: IP65. Single Seal.

- Model PT-400-L5/L31xxxx Pressure Transmitter (RS485 output). Maximum Working Pressure: 30,000 psi for P56/P57 option, otherwise 10,000 psi. Ambient Range: -40°C to +80°C. Enclosure type: IP65. Single Seal.

- Model PT-500-L1xxxx Pressure Transmitter (4-20mA output). Maximum Working Pressure: 10,000 PSI. Ambient Range: -40°C to +80°C. Single Seal.

- Model PT-500-L3/L10/L12/L20/L21xxxx Pressure Transmitter (VDC output). Maximum Working Pressure: 10,000 Ambient Range: -40°C to +80°C. Single Seal.

- Model PT-500-L5/L31xxxx Pressure Transmitter (RS485 output). Maximum Working Pressure: 10,000 PSI. Ambient Range: -40°C to +80°C. Single Seal.

Conditions of Acceptability: PT-400, PT-500 (Increased safety “ec” versions)

1. The "x" in the Model designations may be any alpha-numeric character, to denote minor mechanical options, not affecting safety.

2. These devices must be connected to a suitably certified and approved apparatus that provides non-incendive outputs either equal to or less than those as indicated by the applicable control drawings. This certified apparatus must be located in a safe area.

3.The equipment must be connected to a certified class 2 SELV power supply.

4.The devices meet an ingress protection rating minimum of IP20. The devices shall be installed with sensor body fully submerged in process fluid or attached to equipment via integrated process connection threads.

Note: Model PT-405 is only assessed to UL 1203, CSA C22.2 No. 30, and 61010-1.

APPLICABLE REQUIREMENTS

Standards Used	Description

Certificate: 1984045 **Master Contract**: 237484

Project: 80247909 **Date Issued**: 2026-03-26

Standards Used	Description
CSA C22.2 No. 30:20 - Fourth Ed - Including Update No. 1 - March 2023	Explosion-proof equipment
CAN/CSA C22.2 No. 60079-0:19	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'
CAN/CSA C22.2 No. 60079-7:16 + AMD1:2018 (R2021)	Explosive atmospheres - Part 7: Equipment protection by increased safety 'e'
CAN/CSA C22.2 No. 61010-1-12 - Third Edition - UPD1:2015, UPD2:2016, AMD1:2018 UPD3:2023	Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements
UL 913(Eighth Edition)	UL Standard for Safety Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations - Eighth Edition
ANSI/UL 1203 - Fifth Edition	UL Standard for Safety Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Location
ANSI/ISA 12.27.01:2003	Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids
ANSI/UL 60079-0:2020 - Seventh Edition - Including revisions through July 19, 2024	Explosive Atmospheres – Part 0: Equipment – General Requirements
ANSI/UL 60079-11-2018 - Sixth Edition	Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety 'i'
ANSI/UL 60079-7:2017 - Fifth Edition - Including revisions through June 3, 2021	Explosive Atmospheres – Part 7: Equipment protection by increased safety "e"
UL 61010-1:2012 - Third Edition - Revisions Through and Including November 15, 2024	Safety Requirements for Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements

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.

The following markings must appear on the PT-400-xxxx, PT-500-xxxx, PT-400Y-L1-xxxx, and PT-500Y-xxxx as applicable.
1) Submitter's name, trademark, or the CSA file number (adjacent to the CSA Mark).
2) Catalogue / Model designation.

3) Complete electrical rating (Entity parameters).
4) Date code / Serial number traceable to month and year of manufacture.
5) Hazardous Location designations As specified in the PRODUCTS section, above
6) The symbol "Ex ia".
7) Temperature code T4
8) Maximum ambient 80°C
9) The CSA Mark with the “c” and “us” qualifiers and CSA cert number: 08CA1984045X
10) Reference to the installation drawings
11) The marking “Single Seal”
12) The following bilingual cautions: (May be located on the installation drawing)
WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY: and, AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SECURITE INTRINSEQUE".
13) The warning: “Must be connected to a certified Class 2 SELV power supply” and “Doit être connecté à une alimentation certifiée de classe 2 SELV.”

The following markings must appear on the PT-405-xxxxxxxxx as applicable.
1) Submitter's name, trademark, or the CSA file number (adjacent to the CSA Mark).
2) Catalogue / Model designation: As specified in the PRODUCTS section, above.
3) Complete electrical rating
4) Date code / Serial number traceable to month and year of manufacture.
5) Hazardous Location designations: As specified in the PRODUCTS section, above.
6) Temperature code: As specified in the PRODUCTS section, above.
7) Temperature Range: As specified in the PRODUCTS section, above
8) The CSA Mark with the “c” and “us” qualifiers and CSA cert number: 08CA1984045X
9) Reference to the installation drawings
The marking “Single Seal”
10) The warnings
    1. “EXPLOSION HAZARD – ENSURE SET SCREWS ARE FULLY TIGHTENED, AND DO NOT DISCONNECT OR CALIBRATE EQUIPMENT, UNLESS POWER HAS BEEN SWITCHED OFF OR AREA IS KNOWN TO BE NON-HAZARDOUS” and “RISQUE D'EXPLOSION – ASSUREZ-VOUS QUE LES VIS DE BLOCAGE SONT ENTIEREMENT SERREES ET NE DECONNECTEZ NI NE CALIBREZ L'EQUIPEMENT, A MOINS QUE L'ALIMENTATION N'AIT ETE COUPEE OU QUE LA ZONE NE SOIT RECONNUE COMME NON DANGEREUSE”.
    2. SEAL WITHIN 18” and SCELLER A MOINS DE 18 POUCES
    3. “Must be connected to a certified Class 2 SELV power supply” and “Doit être connecté à une alimentation certifiée de classe 2 SELV”
11) For the PT-405 model the warnings:

“WARNING: EXPLOSION HAZARD – ENSURE SET SCREWS ARE FULLY TIGHTENED. DO NOT DISCONNECT, OPEN, OR CALIBRATE EQUIPMENT, UNLESS POWER HAS BEEN SWITCHED OFF OR AREA IS KNOWN TO BE NON-HAZARDOUS. MUST BE INSTALLED WITH EXPLOSION PROOF CONDUIT. CONDUIT RUNS MUST HAVE A SEALING FITTING CONNECTED WITHIN 45 CM (18 INCHES) OF THE ENCLOSURE. MUST BE CONNECTED TO A CERTIFIED CLASS 2 SELV POWER SUPPLY”
and “AVERTISSEMENT - RISQUE D’EXPLOSION – ASSUREZ-VOUS QUE LES VIS DE RÉGLAGE SONT BIEN SERRÉES. NE PAS DÉCONNECTER, OUVRIR OU CALIBRER L’ÉQUIPEMENT, SAUF SI L’ALIMENTATION EST ÉTEINTE OU SI LA ZONE N’EST PAS DANGEREUS, DOIT ÊTRE INSTALLÉ AVEC UN CONDUIT ANTIDÉFLAGRANT. LES RUNS DE CONDUIT DOIVENT AVOIR UN RACCORD D’ÉTANCHÉITÉ RACCORD À 45 CM (18 POUCES) DE L’ÉNCEINTE. DOIT ÊTRE CONNECTÉ À UNE ALIMENTATION ÉLECTRIQUE CERTIFIÉE SELV DE CLASSE 2.

Required Method of Marking:

Laser engraved on to the stainless steel housing of the sensor or CSA accepted self adhesive nameplate material applied to the sensor case. The name plate material has been previously tested under LR 90200. Label Material: Zebra Z-Ultimate 4000T Silver. Ink: 5100 Premium Resin (CSA File 097843).

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Notes:

Products certified under Class(es) C225802, C225803, C225804, C225882, C225883, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca

Supplement to Certificate of Compliance

Certificate: 1984045 **Master Contract:** 237484

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
80247909	2026-03-26	Evaluation to update cCSAus report # 1984045 (last project 70193474) for explosionproof Model PT-405 Series Pressure Transmitter, intrinsically safe "ia" protected Model PT-400-L1 Series and Model PT-500 Series Pressure Transmitters to remove existing non-incendive and Zone 2 models, rename existing intrinsically safe models and update 60079 standards, evaluate new models for intrinsic safety "ia" and increased safety "ec", and correct PT-405 listing to include electronics listed in RFQ.
70193474	2018-08-01	Make improvements for clarity to CSA Report 1984045. No changes affect the product listing, markings, or technical description of the product.
70159942	2018-03-29	Update CSA 142 to 61010 3rd Ed. 2. Add new explosionproof model PT-405 for Class I, Division 1, Groups C&D. Add "Single Seal" marking to PT-400, PT-405, and PT-500.
2587208	2012-12-17	Update to include revised documentation.
2517306	2012-08-22	Update to include revised schematics for the PT400-L1xxxx pressure sensor.
1984045	2008-03-04	PT-400 and PT-500 Pressure Transducers for use in Hazardous Locations as Intrinsically Safe and Non-Incendive