



# Certificate of Compliance

<b>Certificate:</b>	1984045	<b>Master Contract:</b>	237484
<b>Project:</b>	1984045	<b>Date Issued:</b>	2008/03/04
<b>Issued to:</b>	Automation Products Group Inc 1025 West 1700 North Logan, UT 84321 USA Attention: Karl Reid		

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:** Andrew Redeker

**Authorized by:** Patricia Pasemko, Operations Manager

## PRODUCTS

- CLASS 2258 83** - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards
- CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations
- CLASS 2258 84** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - - For Hazardous Locations - Certified to US Standards
- CLASS 2258 04** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.

DQD 507 Rev. 2004-06-30

Automation Products Group, Inc.

APG...Providing tailored solutions for measurement applications

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**APG**



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**2258 03 - Process Control Equipment - Intrinsically Safe and Non Incendive systems For Hazardous Locations**

**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; Class I, Zone 2, Group IIB; Ex nL IIB T4;  $-40^{\circ}\text{C} \leq \text{Ta} \leq +85^{\circ}\text{C}$ ; AEx nL IIB T4;  $-40^{\circ}\text{C} \leq \text{Ta} \leq +85^{\circ}\text{C}$

Model PT-400-xxxx Pressure Transmitter; Rated 9-28VDC, 4-20mA or 0-5V, 20mA or 0-10V, 20mA; Maximum Ambient  $85^{\circ}\text{C}$ ; Temperature Code T4; Maximum Working Pressure 10,000 PSI; Non-Incendive with the following Entity Parameters:

$V_{\text{max}}, U_i = 28\text{V}$ ;  $I_{\text{max}}, I_i = 110\text{mA}$ ;  $P_{\text{max}}, P_i = 0.77\text{W}$ ;  $C_i = 0\mu\text{F}$ ;  $L_i = 0\mu\text{H}$

Model PT-500-xxxx Pressure Transmitter; Rated 10-28VDC, 4-20mA; Maximum Ambient  $85^{\circ}\text{C}$ ; Temperature Code T4; Maximum Working Pressure 10,000 PSI; Non-Incendive with the following Entity Parameters:

$V_{\text{max}}, U_i = 28\text{V}$ ;  $I_{\text{max}}, I_i = 110\text{mA}$ ;  $P_{\text{max}}, P_i = 0.77\text{W}$ ;  $C_i = 0\mu\text{F}$ ;  $L_i = 0\mu\text{H}$

Notes for Models PT-400, PT-500

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

**2258 04 - Process Control Equipment - Intrinsically Safe, Entity - For Hazardous Locations**

**2258 84 - Process Control Equipment - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards**

Class I, Division 1, Groups C,D; Class I, Zone 0, Group IIB; Ex ia IIB T4;  $-40^{\circ}\text{C} \leq \text{Ta} \leq +85^{\circ}\text{C}$ ; AEx ia IIB T4;  $-40^{\circ}\text{C} \leq \text{Ta} \leq +85^{\circ}\text{C}$



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Model PT-400-L1xxxx Pressure Transmitter; Maximum Ambient 85°C; Temperature Code T4; Maximum Working Pressure 10,000 PSI; Entropy parameters as follows:

Vmax, Ui = 28V; Imax, Ii = 110mA; Pmax, Pi = 0.77W; Ci = 0.021uF; Li = 0.302uH

Model PT-500-xxxx Pressure Transmitter; Maximum Ambient 85°C; Temperature Code T4; Maximum Working Pressure 10,000 PSI; Entropy parameters as follows:

Vmax, Ui = 28V; Imax, Ii = 110mA; Pmax, Pi = 0.77W; Ci = 0.042uF; Li = 0.320uH

Notes for Models PT-400, PT-500

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

#### **APPLICABLE REQUIREMENTS**

C222 No 0 - M1991 - General Requirements - Canadian Electrical Code Part II.

C222 No 0.4 - M2004 - Bonding and Grounding of Electrical Equipment (Protective Grounding).

C222 No 142 - M1987 - Process Control Equipment.

C222 No 157 - M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.

C222 No 213 - M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

CAN/CSA E60079-0:07 - Electrical apparatus for explosive gas atmospheres. PART 0: General requirements.

CAN/CSA E60079-11:02 - Electrical apparatus for explosive gas atmospheres. PART 11: Intrinsic safety "i".

CAN/CSA E60079-15:02 - Electrical apparatus for explosive gas atmospheres. PART 15: Type of protection "n"

UL 508, Seventeenth Edition - Industrial Control Equipment.

UL 913, Seventh Edition - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations.

ANSI/ISA-12.12.01-2007 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

UL 60079-0 Fourth Edition - Electrical apparatus for explosive gas atmospheres. PART 0: General requirements.

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UL 60079-11 Second Edition - Electrical apparatus for explosive gas atmospheres. PART 11: Intrinsic safety "i".

UL 60079-15 First Edition - Electrical apparatus for explosive gas atmospheres. PART 15: Type of protection "n"

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