



# Certificate of Compliance

**Certificate:** 70019483 (221421)

**Master Contract:** 221421

**Project:** 70106456

**Date Issued:** 2017-01-27

**Issued to:** Connection Technology Center, Inc.  
7939 Rae Boulevard  
Victor, New York 14564  
USA

**Attention:** Colin Walker

*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:** *David Whitaker*  
David Whitaker

## **PRODUCTS**

**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 A, B, C and D;**

**Class II, Division 1 Groups E, F and G;**

**Class II, Division 2, Groups F and G;**

**Class III Divisions 1 and Division 2;**

**Temperature code T4/T5**

PRO Series Proximity Probe Assemblies - Proximity Probe Drivers Series DD\* with DP100\* Series Proximity Probes with an optional DC100\* Series Extension Cable

Bently Compatible Probe Assemblies - Proximity Probe Drivers Series DX\* with DX330\* Series Proximity Probes with an optional DX330\* Series Extension Cable

Electrical Ratings when connected to an approved IIC barrier are:



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Input (VT)  $U_i = 30\text{VDC}$ ,  $I_i = 140\text{mA}$ ,  $P_i = 757\text{mW}$ ,  $C_i = 50\text{pF}$ ,  $L_i = 1\text{ mH}$   
Output (OUT)  $U_i = 30\text{VDC}$ ,  $I_i = 35\text{mA}$ ,  $P_i = 263\text{mW}$ ,  $C_i = 50\text{pF}$ ,  $L_i = 500\mu\text{H}$

Temperature Code T4: ambient temperature range  $-45^\circ\text{C}$  to  $+100^\circ\text{C}$   
Temperature Code T5: ambient temperature range  $-35^\circ\text{C}$  to  $+85^\circ\text{C}$

Notes:

- 1) These products are only approved to be installed in Class I and Class II Div 2 areas and Class III Div 1 and 2 with approved IIC Barriers as shown on Control Drawing INS10060.
- 2) Asterisk "\*" denotes an alpha-numeric character sequence of Model options as defined on Drawings INS10067 Rev A (Probes), INS10068 Rev A (Extension Cables), and INS10069 Rev A (Drivers)
- 3) 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, particularly if the equipment is installed in a zone 0 location.

**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 A, B, C and D T4/T5**  
**Ex ia IIC T4/T5 Ga**  
**Class I, Zone 0, AEx ia IIC T4/T5**

PRO Series Proximity Probe Assemblies - Proximity Probe Drivers Series DD\* with DP100\* Series Proximity Probes with an optional DC100\* Series Extension Cable

Bently Compatible Probe Assemblies - Proximity Probe Drivers Series DX\* with DX330\* Series Proximity Probes with an optional DX330\* Series Extension Cable

Electrical Ratings when connected to an approved IIC barrier are:

Input (VT)  $U_i = 30\text{VDC}$ ,  $I_i = 140\text{mA}$ ,  $P_i = 757\text{mW}$ ,  $C_i = 50\text{pF}$ ,  $L_i = 1\text{ mH}$   
Output (OUT)  $U_i = 30\text{VDC}$ ,  $I_i = 35\text{mA}$ ,  $P_i = 263\text{mW}$ ,  $C_i = 50\text{pF}$ ,  $L_i = 500\mu\text{H}$

Temperature Code T4: ambient temperature range  $-45^\circ\text{C}$  to  $+100^\circ\text{C}$   
Temperature Code T5: ambient temperature range  $-35^\circ\text{C}$  to  $+85^\circ\text{C}$

Notes:

- 1) Asterisks "\*" denotes an alpha-numeric character sequence of Model options as defined on Drawings INS10067 Rev A (Probes), INS10068 Rev A (Extension Cables), and INS10069 Rev A (Drivers)
- 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, particularly if the equipment is installed in a zone 0 location.



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### **APPLICABLE REQUIREMENTS**

- CAN/CSA C22.2 No. 94-1-15 - Enclosures for Electrical Equipment, Non Environmental Considerations
- CAN/CSA C22.2 No. 94-2-15 - Enclosures for Electrical Equipment, Environmental Considerations
- CSA C22.2 No. 142-M1987 - Process Control Equipment
- CAN/CSA C22.2 No. 213-15 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
- CAN/CSA C22.2 No. 60079-0-15 - Electrical apparatus for explosive gas atmospheres; Part 0: General Requirements
- CAN/CSA C22.2 No. 60079-11-14 - Electrical apparatus for explosive gas atmospheres; Part 11: Intrinsic safety "i"
  
- UL Standard 50, 13th Ed. - Enclosures for Electrical Equipment, Non Environmental Considerations
- UL Standard 50E, 2nd Ed. - Enclosures for Electrical Equipment, Environmental Considerations
- UL Standard 508, 17th Ed. - Industrial Control Equipment
- UL Standard 913, 8th Ed. - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations.
  
- UL Standard 60079-0, 6<sup>th</sup> Ed. - Explosive Atmospheres - Part 0: General Requirements
- UL Standard 60079-11, 6<sup>th</sup> Ed. - Explosive Atmospheres - Part 11: Equipment Protection by Intrinsic Safety.
  
- ANSI/ISA-12.12.01-2015 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations



## *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>
70106456	2017-01-27	Update to add revised warnings and materials.
70019483	2016-04-26	New Certification of the PRO and Bently™ Compatible Proximity Probe Assemblies to Ex ia IIC, Class I Zone 0 AEx ia IIC, C1D1, C1D2 Groups ABCD, CII D1, CII D2 Groups EFG and CIII D1, CIII D2.