



# Certificate of Compliance

**Certificate:** 2341447

**Master Contract:** 150861

**Project:** 2341447

**Date Issued:** March 3, 2011

**Issued to:** Detcon Incorporated

3200 Research Forest Dr Bldg A-1  
The Woodlands, TX 77381  
USA  
Attention: Bob Masi

*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.*



*Dorin Stochitoiu*

**Issued by:** Dorin Stochitoiu, P.Eng

## **PRODUCTS**

**CLASS 4828 02** - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations

**CLASS 4828 82** - SIGNAL APPLIANCES-Toxic Gas Detection Instruments - For Hazardous Locations. Certified to U.S. Standards

Class I, Division 1, Groups A, B, C and D

DM-100 toxic gas detector, input rated 10Vdc to 28Vdc, 4-20mA loop and RS485 communication, Explosion-proof with integral intrinsically safe sensor, Um=60V, or Intrinsically Safe with entity parameters Umax=30V, I<sub>max</sub>=300mA, P<sub>i</sub>=1W, C<sub>i</sub>=0nF, L<sub>i</sub>=0mH, when installed per control drawing 3993; Ambient Temperature Range -40°C to 50°C, Temperature Code T4.

## **APPLICABLE REQUIREMENTS**

CSA Std. C22.2 No. 0-10 - General Requirements - Canadian Electrical Code, Part II

CSA C22.2 No. 142-M1987 - Process Control Equipment

CSA C22.2 No.30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations



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CSA C22.2 No. 157-M1992 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

UL No. 916-2007 - Energy Management Equipment

UL No. 1203-2006 - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations

UL No. 913-2008 - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, 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>
2341447	March 3, 2011	Original Certification