



# Certificate of Compliance

**Certificate:** 2416879

**Master Contract:** 241318

**Project:** 2416879

**Date Issued:** September 15, 2011

**Issued to:** Xtreme Safety Technologies  
440 10816 Macleod Trail SE, 633  
Calgary, AB T2J 5N8  
Canada  
Attention: Corrine Gross

*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.*



*Andrew Redeker*

**Issued by:** Andrew Redeker

## **PRODUCTS**

**CLASS 4828 01** - SIGNAL APPLIANCES - - Combustible Gas Detection Instruments-For Hazardous Locations

**CLASS 4828 81** - SIGNAL APPLIANCES-Combustible Gas Detection Instruments - For Hazardous Location-Certified to U.S. Standards

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

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

4828 01 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations

4828 81 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups B,C,D; T5

Class I, Division 2, Groups A,B,C,D; T4

Ex d IIB + H2 T5 / AEx d IIB + H2 T5



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Ex nC IIC T4 / AEx nC IIC T4

MAGNUM-LEL and MAGNUM II-LEL Combustible Gas Detectors; rated input 9-28Vdc, 3.9W maximum; one or two 4-20mA outputs; optionally up to four Mechanical Relay outputs rated 2A @ 30Vdc or up to four Solid State Relay Outputs rated 1A @ 60Vdc; Ambient Range -55°C to +85°C

Note

1) Seals are not required for Div 2 / Zone 2 installations.

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

4828 82 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations - Certified to US Standards

Class I, Division 1, Groups B,C,D; T5

Class I, Division 2, Groups A,B,C,D; T4

Ex d IIB + H2 T5 / AEx d IIB + H2 T5

Ex nC IIC T4 / AEx nC IIC T4

MAGNUM-H2S and MAGNUM II-H2S Toxic Gas Detectors; rated input 9-28Vdc, 2.4W maximum; one or two 4-20mA outputs; optionally up to four Mechanical Relay outputs rated 2A @ 30Vdc or up to four Solid State Relay Outputs rated 1A @ 60Vdc; Ambient Range -55°C to +85°C

Note:

1) Seals are not required for Div 2 / Zone 2 installations.

**APPLICABLE REQUIREMENTS**

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

C22.2 No 0.4 - 04 - Bonding of Electrical Equipment

C22.2 No 0.5 - M1982 - Threaded Conduit Entries



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

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

C22.2 No 152 - M1984 - Combustible Gas Detection Instruments.

C22.2 No 213 - M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

CAN/CSA 60079-0:07 - Electrical apparatus for explosive gas atmospheres. – PART 0: General requirements.

CAN/CSA 60079-1:07 - Electrical apparatus for explosive gas atmospheres. – PART 1: Construction and verification test of flameproof enclosures of electrical apparatus.

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 1203, Fourth Edition - ExplosionProof and DustIgnitionProof Electrical Equipment for Use in Hazardous (Classified) Locations.

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

UL 60079-1 Sixth Edition - Electrical apparatus for explosive gas atmospheres. – PART 1: Construction and verification test of flameproof enclosures of electrical apparatus.

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

ANSI / ISA 12.12.01: 2007 – Nonincendive Electrical Equipment for Use in Class I and II, Division2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations

ANSI / ISA 12.13.01: 2000 – Performance Requirements for Combustible Gas Detectors