



CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1192749 (95495)

Master Contract: 159344

Project: 1555947

Date Issued: 2004/09/10

Issued to: Sensor Electronics Corporation

5500 Lincoln Drive
Minneapolis, Minnesota 55436
USA
Attention: Pat Smith

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



Issued by: Dave Adams

Authorized by: Patricia Pasemko, Operations Manager

PRODUCTS

CLASS

4828 01 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations (Part A only)

4828 81 - SIGNAL APPLIANCES - Combustible Gas Detection Instruments - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS (Part A only)

4828 02 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - 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.



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4828 82 - SIGNAL APPLIANCES - Toxic Gas Detection Instruments - For Hazardous Locations - CERTIFIED TO U.S. STANDARDS

PRODUCTS

Part A

CLASS I, DIV. 1, GROUPS B, C, and D; Temperature Code T5.

MILLENIUM Combustible Gas Detector. Permanently mounted, Rated 32.0Vdc @ 0.250A. Explosion-proof and Suitable for Class I, Groups B, C and D; Hazardous Locations. Temperature Code T5.

Signature Gas Analyzer. Permanently mounted, Rated 32.0Vdc @ 0.250A. Explosion-proof and Suitable for Class I, Groups B, C and D; Hazardous Locations. Temperature Code T5.

Part B

CLASS I, DIV. 1, GROUPS B, C, and D

Model SEC 2000N, Toxic Gas Detector Head, Rated Input 18-30 Vdc at 0.2 A. Rated Outputs: 4 - 20 mA, RS-485 relay contacts rated 250 Vac / 8A and 30 Vdc / 8A.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No. 0-M91(Reaffirmed 1997) - General Requirements - Canadian Electrical Code, Part II.

C22.2 No.0.4-M1982(Reaffirmed 1999) - Bonding and Grounding of Electrical Equipment (Protective Grounding).

C22.2 No. 30-M1986(Reaffirmed 1999) - Explosion-Proof Enclosures for Use in Class I Hazardous Locations.

C22.2 No. 152-M1984(Reaffirmed 1997) - Combustible Gas Detection Instruments.

C22.2 No. 1010.1-92(Reaffirmed 1999) - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use.

ANSI/UL Standard UL 508 - Industrial Control Equipment

UL 3121-1 - Process Control Equipment.

UL 1203 - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

UL 2062 - Enclosures for Use in Hazardous (Classified) Locations.

ISA S12.13.01 - 2000 - Performance Requirements Combustible Gas Detectors