



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
(212) 566-5000, TTY: (212) 566-4769

Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 405-04-E

Manufacturer: Vulcain Alarme Inc., a Division of BW Technologies,
4005 Blvd. Matte, Brossard, Quebec J4Y2P4, Canada

Trade Name(s): VA301D2

Product: Explosion-proof toxic and combustible gas transmitters

Pertinent Code Section(s): 27-968 thru 27-977, Reference Standard RS 17

Prescribed Test(s): Class 4828 81 – File 159996, issued 9/12/2003, revised 4/26/2004
SIGNAL APPLIANCES – Combustible gas detection instruments
– For Hazardous Location-Certified to U.S. standards
Class 4828 01, issued 9/12/2003, revised 4/26/2004
SIGNAL APPLIANCES – Combustible gas-detection instruments
– For Hazardous Location
Class 4828 02, issued 9/12/2003, revised 4/26/2004
SIGNAL APPLIANCES – Combustible gas-detection instruments
– For Hazardous Location
Class 4828 82, issued 9/12/2003, revised 4/26/2004
SIGNAL APPLIANCES – Toxic gas detection Instruments
– For Hazardous Location-Certified U.S. standards

Class I, Groups B, C and D
Combustible Gas Detector transmitters, Stationary
(Stand-alone), Model VA301D2 and Model Gaspoint2;
input rated

Laboratory: CSA International

Test Report(s): Master Contract: 159996, Certificate: 1466958 and 1466959

Description: Combining state-of-art technology with a rugged explosion-proof housing, the VA301D2 analyzes a wide variety of both toxic and combustion gases to high levels of precision. Engineered to rigorous specifications, the unit is specifically designed to provide enhanced performance and reliability in the most adverse industrial conditions.

Smart-sensing technology – Inherent smart-sensing technology permits the VA301D2's transmitter module to instantly recognize and adjust to a range of targeted gases. In addition, depending on the unit's configuration, an internal clock measures the elapsed time that the sensor has been in use.

Other routines allow for the rating of the time remaining before calibration and the performing of built-in zero adjustment – features that virtually eliminate downtime.

- **Explosion-proof enclosure (Class I, Div. 1)**
- **Integrated LCD**
- **Secured non-intrusive calibration**
- **Fail-safe contact closures**
- **Dual alarm levels**
- **4-20mA analog output**
- **NEW: Unclassified duct-type mounting kit available**
- **Modbus communication**
- **Remote-sensing configuration available**
- **Calibration port makes for easy maintenance**
- **Infrared-sensing technology available**

Pursuant to "Promulgation of the Rules relating to Material and Equipment Application Procedures" dated November 5, 1992, the Bureau of Fire Prevention has no objections Letter dated October 15, 2004, F.P. Index #0410006.

Terms and Conditions: The above units are accepted on condition that:

1. The installation and use of above-referenced products shall be limited to hazardous locations where Class I, Group B, C, & D flammable/toxic gases are stored/handled as referenced in Article 500 of the New York City Electrical Code. The wiring from sensor/transmitter to the control unit shall be in metallic raceways.
2. The product shall be used only with MEA-approved equipment and accessories.
3. CSA and manufacturer's installation, maintenance procedures and limitations shall be complied with.
4. All uses, configurations, arrangements and functions, application and installations shall comply with all provisions of New York City Building Code, specifically Subchapter 17, and Reference Standard 17-3.

5. Further, the installation shall be in accordance with all applicable section of the Department's Electrical Advisory Board.
6. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance September 5 2006
Examined By Donald [Signature]