



# Certificate of Compliance

**Certificate:** 1881439

**Master Contract:** 217005

**Project:** 2277284

**Date Issued:** 2010/03/15

**Issued to:** RAE Systems, Inc.  
3775 North First St  
San Jose, CA 95134  
USA  
Attention: James Pan

*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.*



*Rich Masek*

**Issued by:** Rich Masek

## **PRODUCTS**

- 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

Class I; Division 1; Group A, B, C, D; T4

- Model FTD-2000, MeshGuard Portable Toxic Gas Detector, Ambient -40 °C to +50 °C, intrinsically safe when powered by RAE battery, p/n 500-0111-000 or an intrinsically safe external power source with matching entity parameter that does not exceed 3.6 V. Ci = 63 µF and Li/Ri = 3.5 µH/ohm.

## **APPLICABLE REQUIREMENTS**



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

C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

ANSI/UL 913:2004 - Intrinsically Safe Apparatus

ANSI/UL 916:1998 - Energy Management Equipment

### **MARKINGS**

The following markings are required.

- Submitter's identification
- Model number: As specified in the PRODUCTS section, above
- Electrical ratings: As specified in the PRODUCTS section, above.
- Hazardous Location designation, as specified in the PRODUCTS section, above.
- Temperature code: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to month of manufacture.
- CSA Monogram with c/us indicator as shown on the Certificate of Compliance.
- WARNING: DO NOT CHANGE OR CHARGE BATTERIES IN A HAZARDOUS LOCATION.
- WARNING: SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY. (May be in User Manual)