

Certificate of Compliance

Certificate: 70178313

Project: 70178313

Issued to: RAE Systems, Inc. 1349 Moffett Park Driveeee Sunnyvale, California 94089 UNITED STATES Attention: Wei Xu Master Contract: 157918

Date Issued: 2018-09-18

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by:

Shawn Lu Xiaoping (Shawn) Lu

PRODUCTS

4828 02 - SIGNAL APPLIANCES-Toxic Gas Detection Instruments - For Hazardous Locations. Class I, Division 1, Group A, B, C, D, T4; Ex ia IIC T4 Ga.

Handheld Toxic Gas Monitor – Model BWSa-bbc-d. 3.6V battery powered. Ambient temperature -40°C to 60°C.

| Where: | | | |
|--------|-----------------|-------|---------------------|
| a: | Product version | empty | Standard version |
| | | 1 | Wireless version |
| | | 2 | Low cost version |
| bb: | Gas type | b | Detect gas |
| | | bb | Detect extended gas |
| c: | Sensor type | L | Whittle sensor |
| | | empty | 4R sensor |
| d: | Color | Y | Yellow |
| | | В | Black |

Conditions of Acceptability



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|---------------------|----------|--------------------------------|
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1) Battery must only be replaced with Wuhan Voltec Energy Source Co., Ltd, type ER14335 or TITUS battery, type ER14335.

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

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

Class I, Zone 0, AEx ia IIC T4 Ga.

Handheld Toxic Gas Monitor - Model BWSa-bbc-d. 3.6V battery powered. Ambient temperature -40°C to 60°C.

Where:

| a: | Product version | empty | Standard version |
|-----|-----------------|-------|---------------------|
| | | 1 | Wireless version |
| | | 2 | Low cost version |
| bb: | Gas type | b | Detect gas |
| | | bb | Detect extended gas |
| c: | Sensor type | L | Whittle sensor |
| | | empty | 4R sensor |
| d: | Color | Y | Yellow |
| | | В | Black |

APPLICABLE REQUIREMENTS

None.

MARKINGS

| CAN/CSA-C22.2 No. 61010-1-12 | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
|-----------------------------------|--|
| CAN/CSA-C22.2 No. 60079-0:15 | Explosive atmospheres – Part 0: Equipment – General Requirements |
| CAN/CSA-C22.2 No. 60079-11:14 | Equipment protection by intrinsic safety "i". |
| UL Std. No. 61010-1 (3nd Edition) | Safety Requirements for Electrical Equipment for Measurement, |
| | Control, and Laboratory Use - Part 1: General Requirements |
| CSA CAN/CSA-C22.2 NO. 157-92 | Intrinsically safe and non-incendive equipment or use in hazardous |
| | locations - Third Edition; General Instruction No. 1: June 1992; Update |
| | No. 2: June 2003 |
| ANSI/UL 913-2013 | UL Standard for Safety Intrinsically Safe Apparatus and Associated |
| | Apparatus for Use in Class I, II, and III, Division 1, Hazardous |
| | (Classified) Locations - Eighth Edition; Reprint with Revisions |
| | Through and Including October 16, 2015 |
| ANSI/UL 60079-0-2013 | Explosive Atmospheres – Part 0: Equipment – General |
| | Requirements |
| ANSI/UL 60079-11 sixth edition | Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic |
| | Safety "i" |
| UL 61010-1-2016 | Safety requirements for electrical equipment for measurement, control, |
| | and laboratory use - Part 1: General requirements - Third Edition; |
| | Update No. 1: July 2015; Update No. 2: April 2016 |
| | |



Supplement to Certificate of Compliance

Certificate: 70178313

Master Contract: 157918

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

| Project | Date | Description |
|----------|------------|-------------------------|
| 70178313 | 2018-09-18 | Original Certification. |