



EU Declaration of Conformity

In accordance with EN ISO / IEC 17050-1:2010

BW ICON, BW ICON+, BW Flex-i, BW Flex4, BW Flex5

Declaration Number: 2004Y0156_01

Description: Portable Gas Detector
Intended Use: Monitoring of gas in potentially explosive atmospheres

Manufacturer: RAE Systems Inc. A Honeywell Company, 1349 Moffett Park Drive, Sunnyvale, California 94089, USA

Trading Company: Life Safety Distribution GmbH, Javastrasse 2, 8604 Hegnau, Switzerland

We hereby declare that the product identified above meets the requirements of the following EU Directives and therefore qualifies for free movement within markets comprising the European Union (EU) and the European Economic Area (EEA). This declaration is issued under the sole responsibility of the manufacturer.

ATEX Directive 2014/34/EU

ATEX Hazardous

Notified Body: CSA Group Netherlands B.V
Utrechtseweg 310, Building B42, 6812AR, Netherlands
Notified Body Number: 2813
EC Certificate Number: Sira 20ATEX2008X

Conforms to:

EN IEC 60079-0:2018	Explosive atmospheres - Part 0: Equipment - General requirements
EN 60079-11:2012	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
EN 60079-28:2015	Explosive atmospheres - Part 28 - Protection of equipment and transmission systems using optical radiation
EN 60079-1:2014	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
EN 60079-26:2015	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

BW Icon and BW Icon+

Type Approval:		I M1 Ex ia I Ma		II 1G Ex ia IIC T4 Ga
		With NDIR Sensor:		With NDIR Sensor:
		Ex ia op is I Ma		Ex ia op is IIC T4 Ga
		Ta = -40°C to +60°C		Ta = -40°C to +60°C



BW Flex-i, BW Flex4 and BW Flex5

⊕ I M1 Ex ia I Ma ⊕ II 1G Ex ia IIC T4 Ga

With NDIR Sensor:

⊕ I M1 Ex ia op is I Ma ⊕ II 1G Ex ia op is IIC T4 Ga

With LEL Sensor:

⊕ I M1 Ex da ia I Ma ⊕ II 1G Ex da ia IIC T4 Ga

With NDIR & LEL Sensor:

⊕ I M1 Ex da ia op is I Ma ⊕ II 1G Ex da ia op is IIC T4 Ga

TA = -40°C to +60°C for all models

Production Quality Assurance

Notified Body: DNV GL Nemko Presafe AS
Veritasveien 3 1363 Høvik, Norway

Notified Body Number: 2460

QA Notification Number: Presafe 16 ATEX 7788Q

Conforms to:
EN ISO/IEC 80079-34:2011 Explosive atmospheres. Application of quality systems for equipment manufacture

Radio Equipment Directive 2014/53/EU

Conforms to:

EN 62479:2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)
EN 50663:2017	Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)
EN 50270:2015	Electromagnetic compatibility - Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen
EN 301 489-1 V2.2.3	Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for Electromagnetic Compatibility
EN 301 489-17 V3.2.2	Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for Electromagnetic Compatibility
EN 300 328 V2.1.1	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU



RoHS Directive 2015/863 amending Annex II to Directive 2011/65/EU

Consideration given to:

EN 50581:2012

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

Signature:

Name:

James Pan
Quality Engineer

Date: 27th January 2021

For and on behalf of:

RAE Systems Inc. A Honeywell Company, 1349 Moffett Park Drive, Sunnyvale, California 94089, USA