



Certificate of Compliance

Certificate: 1843320 **Master Contract:** 181472 (090397_0_000)

Project: 70106531 **Date Issued:** 2017-06-09

Issued to: Crowcon Detection Instruments Limited
172 Brook Drive
Milton Park
Abingdon
Oxfordshire, OX14 4SD
UNITED KINGDOM
Attention: Alan McAloon

The products listed below are eligible to bear the CSA Mark shown



Issued by: *Konstantin Rybalko*
Konstantin Rybalko

PRODUCTS

CLASS - C482801 - SIGNAL APPLIANCES --Combustible Gas Detection Instruments--For Hazardous Locations

**Class I, Division 1, Groups A, B, C and D:
Ex ia d IIC T4:**

“Gasman”, single gas combustible detector, portable, battery operated, intrinsically safe when used with the rechargeable Li-ion battery cell Samsung type ICP653450T or Sanyo type UF553450Z. Ambient temperature range is -20 Deg. C to +65 Deg. C. Temperature Code is T4.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91	General Requirements – Canadian Electrical Code, Part II
CAN/CSA-E60079-0:02	Electrical equipment for explosive atmospheres – Part 0: General requirements
CAN/CSA-E60079-11:02	Electrical apparatus for explosive atmospheres – Part 11: Intrinsic Safety
CAN/CSA-E60079-1:02	Electrical apparatus for explosive atmospheres – Part 1: Flameproof



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CSA Std. C22.2 No.30-M1986 Explosion-Proof Enclosures for Use in Class I Hazardous Locations
CSA Std. C22.2 No.152-M1984 Combustible Gas Detection Instruments
CSA Std. C22.2 No.157-92 Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CLASS - C482802 - SIGNAL APPLIANCES-Toxic Gas Detection Instruments - For Hazardous Locations

**Class I, Division 1, Groups A, B, C and D:
Ex ia IIC T4:**

“Gasman”, single gas oxygen or toxic detector, portable, battery operated, intrinsically safe when used with the rechargeable Li-ion battery cell Samsung type ICP653450T or Sanyo type UF553450Z and the following type CR2 Lithium cell: Panasonic Power Lithium. Ambient temperature range is -20 Deg. C to +65 Deg. C. Temperature Code is T4.

“GasAlarm”, single gas oxygen or H2S detector, portable, battery operated, intrinsically safe when used with the rechargeable Li-ion battery cell Samsung type ICP653450T or Sanyo type UF553450Z and the following type CR2 Lithium cell: Panasonic Power Lithium. Ambient temperature range is -20 Deg. C to +65 Deg. C. Temperature Code is T4.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 0-M91 General Requirements – Canadian Electrical Code, Part II
CAN/CSA-E60079-0:02 Electrical equipment for explosive atmospheres – Part 0: General requirements
CAN/CSA-E60079-11:02 Electrical apparatus for explosive atmospheres – Part 11: Intrinsic Safety
CSA Std. C22.2 No.157-92 Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations



Supplement to Certificate of Compliance

Certificate: 1843320

Master Contract: 181472 (090397_0_000)

*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
70106531	2017-06-09	Update to report 1843320 to include construction changes and address FIR dated August 17, 2016
2040128	2008-10-03	Update to Cover New Encapsulant, battery, sensor and new model GasAlarm
1843320	2007-02-08	Original Certification