



1. **EC-TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC**

3. EC-Type Examination Certificate Number: **ITS12ATEX27547**

4. Equipment or Protective System: **SINGLE CROWCON CLIP AND CROWCON CLIP PLUS DETECTORS**

5. Manufacturer: **CROWCON DETECTION INSTRUMENTS LTD**

6. Address: **2 Blacklands Way
Abingdon Business Park
ABINGDON
Oxfordshire OX14 1DY, UK**

7. This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Intertek Testing and Certification Limited, notified body number 0359 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report 100319523-003a-ATEX dated 24 June 2011 and Intertek report G100713834 dated June 2012.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with standards EN 60079-0:2009, EN 60079-11:2007, EN 60079-26:2007 except in respect of those requirements referred to at item 18 of the Schedule.

10. If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11. This EC-Type examination certificate relates only to the design and construction of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12. The marking of the equipment or protective system shall include the following:-



II 1 G Ex ia IIC T4 -35°C(O₂)/-40°C(H₂S)/-40°C(CO) ≤Ta ≤+50°C Ga



**A T Austin
Certification Officer
7th June 2012**

Intertek Testing & Certification Limited
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13. SCHEDULE

14. EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS12ATEX27547

15. Description of Equipment or Protective System

The devices are portable/hand-held battery-powered single gas clip and SGC Plus detector devices designed to detect the presence of specific gases: Carbon Monoxide (CO) or Hydrogen Sulphide (H₂S) or Oxygen (O₂). They are powered by one Vitzrocell SB-AA02: Bobbin 1/2AA Size (IEC: ER14250) Lithium/Thionyl Chloride (Primary) Cell and have an LCD Display, a vibrating and audible alert.

These come in Models:

CC-H Single Crowcon Clip Model for H₂S
CCP-H Single Crowcon Clip Plus Model for H₂S
CC-C Single Crowcon Clip Model for CO
CCP-C Single Crowcon Clip Plus Model for CO
CC-O Single Crowcon Clip Model for O₂

16. Report Number:

100319523-003a 24 June 2011 and G100713834 dated June 2012.

17. Conditions Of Certification:

(a). Special Conditions for safe use

There are no special conditions for safe use.

(b). Conditions For Use (Routine Tests)

There are no conditions for use (No Routine Tests).

18. Essential Health and Safety Requirements (EHSR's)

The relevant EHSR's have been identified and assessed in Intertek Reports 100319523-003b, 100319523-003c, and 100319523-003d dated 24 June 2011.

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- 13. SCHEDULE
- 14. EC-TYPE EXAMINATION CERTIFICATE NUMBER ITS12ATEX27547
- 19. Drawings and Documents

Number	Title	Issue	Date
Ex-ST-H-M-012	Labels	0.3	Jun 23, 2011
ST-Ex-H-M-000	Case Assembly	1.1	09-May10
ST-Ex-H-M-001	Case Assembly	1.1	09-May-10
ST-Ex-H-M-002	Front Cover	1.1	09-May-10
ST-Ex-H-M-002-1	Front Cover-PC	1.1	09-May-10
ST-Ex-H-M-002-2	Front Cover-Elastomer	1.1	09-May-10
ST-Ex-H-M-003	Rear Cover	1.1	09-May-10
ST-Ex-H-M-003-1	Rear Cover-PC	1.1	09-May-10
ST-Ex-H-M-003-2	Rear Cover-Elastomer	1.1	09-May-10
ST-Ex-H-M-004	Cap	1.1	09-May-10
ST-H-C-001	GCT Schematic	1.0	2009.11.10
ST-Ex-H-L-001; GCTS-C32035	Part List	1.0	09.11.12
ST-Ex-H-L-001; GCTS-O32219	Part List	1.0	09.11.12
ST-Ex-H-L-001; GCTS-H11510	Part List	1.0	09.11.12
ST-Ex-H-P-001 (7 sheets)*	PCB	1.0	2009.11.23
ST-Ex-H-C-001	GCT Schematic	1.1	2010.06.01
ST-Ex-H-L-001	Part List	1.1	10.08.13
ST-Ex-H-P-001 (7 sheets)*	PCB	1.1	2010.06.04

*Each sheet is marked as "DWG No ST-Ex-H-P-001, -002, -003, ... -007"

The above drawings are held under certificate ITS11ATEX27328

Number	Title	Issue	Date
Ex-ST-H-M-014	Labels	0.3	Apr.06, 2012
	Crowcon Clip and Crowcon Clip+ User Manual	1	June 2012

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

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