



# IECEX Certificate of Conformity

**INTERNATIONAL ELECTROTECHNICAL COMMISSION**  
**IEC Certification Scheme for Explosive Atmospheres**  
for rules and details of the IECEX Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEX ETL 12.0007 issue No.:0 Certificate history:

Status: **Current**

Date of Issue: **2012-06-01** Page 1 of 3

Applicant: **Crowcon Detection Instruments Ltd**  
2 Blacklands Way  
Abingdon Business Park  
Abingdon, Oxfordshire  
OX14 1DY  
United Kingdom

Electrical Apparatus: **Portable Gas Detector**  
Optional accessory:


Type of Protection: **Intrinsic Safety "i"**

Marking: **Ex ia IIC T4 -35°C(O<sub>2</sub>) / -40°C(H<sub>2</sub>S) / -40°C(CO) ≤ Ta ≤ +50°C Ga**

Approved for issue on behalf of the IECEX Certification Body: Donald Card

Position: Certification Officer

Signature:  
(for printed version)

  
June 1, 2012

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEX Website](http://www.iecex.com).

Certificate issued by

**Intertek**  
165 Main Street  
Cortland NY 13045-2995  
United States of America





# IECEx Certificate of Conformity

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Manufacturer: **Seetron, Inc.**  
201 - 403 Bucheon Techno-Park, 192 Yakdae-dong, Wonmi-Gu, Bucheon-City  
Korea, Republic of

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

#### STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

**IEC 60079-0 : 2007-10** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5

**IEC 60079-11 : 2006** Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition: 5

*This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

#### TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

US/ETL/ExTR11.0002/00

US/ETL/ExTR12.0011/00

Quality Assessment Report:

GB/BAS/QAR06.0070/00  
GB/BAS/QAR06.0070/03

GB/BAS/QAR06.0070/01

GB/BAS/QAR06.0070/02



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Clip and Clip+ are portable/handheld battery-powered personal single gas monitors designed to detect the presence of specific gases: Carbon Monoxide(CO) or Hydrogen Sulfide(H<sub>2</sub>S) or Oxygen(O<sub>2</sub>) deficiency. They are powered by one Vitzrocell SB-AA02: Bobbon 1/2AA size (IEC:ER14250) Lithium/Thionyl Chloride (Primary) Cell and have LCD Display, a vibrating and audible alert.

Models:

Model Number	Description
CC-H	Single Crowcon Clip Model for H <sub>2</sub> S
CCP-H	Single Crowcon Clip+ Model for H <sub>2</sub> S
CC-C	Single Crowcon Clip for CO
CCP-C	Single Crowcon Clip+ for CO
CC-O	Single Crowcon Clip for O <sub>2</sub>

CONDITIONS OF CERTIFICATION: NO

