



# 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 ULD 13.0004X Issue No: 1 Certificate history:  
Status: Current Page 1 of 4 Issue No. 1 (2014-10-20)  
Date of Issue: 2014-10-20 Issue No. 0 (2013-08-14)

Applicant: **Crowcon Detection Instruments Ltd**  
172 Brook Drive,  
Milton Park,  
Abingdon,  
Oxfordshire,  
OX14 4SD.  
United Kingdom

Electrical Apparatus: **Detective NET**  
Optional accessory:

Type of Protection: **Ex ia**

Marking: Ex ia IIC T4 Ga  
IECEX ULD 13.0004X

Approved for issue on behalf of the IECEx  
Certification Body:

Jasmin Omerovic

Position:

Program Manager

Signature:  
(for printed version)

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:

UL International Demko A/S  
Borupvang 5A,  
DK-2750 Ballerup  
Denmark





# IECEX Certificate of Conformity

Certificate No: IECEX ULD 13.0004X Issue No: 1

Date of Issue: 2014-10-20 Page 2 of 4

Manufacturer: **Crowcon Detection Instruments Ltd**  
172 Brook Drive,  
Milton Park,  
Abingdon,  
Oxfordshire,  
OX14 4SD  
**United Kingdom**

Additional 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-11 : 2011</b> Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
<b>IEC 60079-26 : 2006</b> Edition:2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga

*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:

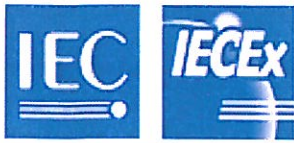
*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

#### Test Report:

DK/ULD/ExTR13.0004/00 DK/ULD/ExTR13.0004/01

#### Quality Assessment Report:

GB/BAS/QAR06.0070/04



# IECEx Certificate of Conformity

Certificate No: IECEx ULD 13.0004X

Issue No: 1

Date of Issue: 2014-10-20

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## Schedule

### EQUIPMENT:

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

Detective NET is a battery operated cable-replacement device used for the linking together of gas detection instruments. The unit detects an alarm on one of the instruments, and relays it to the other instruments within the wireless network. It is housed within a polymeric enclosure, of overall approximate dimensions of 129 mm by 76 mm by 37 mm.

Detective NET has been designed to be carried to a hazardous area and deployed onto gas detection instruments using a removable clip for a temporary period of time. It connects to the "Link Cable" port of a Detective/Detective Plus by means of a bespoke cable assembly.

The unit is powered by a single Panasonic CR-123A (alternatively identified as CR-123PE/BN) cell.

This certificate includes types "Detective NET 433", "Detective NET 868" and "Detective NET 915".

### CONDITIONS OF CERTIFICATION: YES as shown below:

Special precautions are necessary to reduce the risk due to electro-static discharge in fixed installations. Refer to the installation/operation instructions.

The capacitance measured at the metal shell of the external wiring connector is 7 pF. The user shall determine the suitability of the equipment in the end application.

For installations in which both the Ci and Li of the connected apparatus exceeds 1% of the Co and Lo parameters (excluding the cable), then 50% of Co and Lo parameters are applicable and shall not be exceeded.



# IECEX Certificate of Conformity

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Certificate No: IECEX ULD 13.0004X

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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Change of manufacturing location.

 		<h2 style="text-align: center;">IECEX Certificate of Conformity</h2>	
<b>INTERNATIONAL ELECTROTECHNICAL COMMISSION</b> <b>IEC Certification Scheme for Explosive Atmospheres</b> <small>for rules and details of the IECEx Scheme visit <a href="http://www.iecex.com">www.iecex.com</a></small>			
Certificate No.:	IECEX ULD 13.0004X	issue No.:0	Certificate history: .....
Status:	Current		
Date of Issue:	2013-08-14	Page 1 of 3	
Applicant:	<b>Crowcon Detection Instruments Ltd</b> 2 Blacklands Way Abingdon Business Park Abingdon OX14 1DY <b>United Kingdom</b>		
Electrical Apparatus:	Detective NET		
Optional accessory:			
Type of Protection:	Ex ia		
Marking:	Ex ia IIC T4 Ga IECEX ULD 13.0004X		
Approved for issue on behalf of the IECEx Certification Body:	Jasmin Omerovic		
Position:	Certification Project Engineer		
Signature: (for printed version)	_____		
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 <a href="http://Official IECEx Website">Official IECEx Website</a> .			
Certificate issued by:			
<b>UL International DEMKO A/S</b> Borupvang 5A, DK-2750 Ballerup Denmark			
 		<h2 style="text-align: center;">IECEX Certificate of Conformity</h2>	
Certificate No.:	IECEX ULD 13.0004X	Issue No.:	0
Date of Issue:	2013-08-14	Page 2 of 3	
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<b>STANDARDS:</b> 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:			
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<b>IEC 60079-11 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"		
<b>IEC 60079-26 : 2006</b> Edition: 2	Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga		
<i>This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.</i>			

**TEST & ASSESSMENT REPORTS:**

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

Test Report:

[DK/ULD/ExTR13.0004/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0070/03](#)



## IECEx Certificate of Conformity

Certificate No.: IECEx ULD 13.0004X

Date of Issue: 2013-08-14

Issue No.: 0

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### Schedule

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