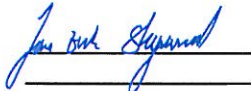

		<h2 style="margin: 0;">IECEx Certificate of Conformity</h2>	
<p>INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres <small>for rules and details of the IECEx Scheme visit www.iecex.com</small></p>			
Certificate No.:	IECEx ULD 10 0018	issue No.:	1
Status:	Current	Certificate history:	Issue No. 1 (2011-10-7) Issue No. 0 (2011-5-4)
Date of Issue:	2011-10-07	Page	1 of 4
Applicant:	Crowcon Detection Instruments LTD 2 Blacklands Way Abingdon Business Park ABINGDON Oxfordshire OX14 1DY United Kingdom		
Electrical Apparatus:	Associated apparatuses for communication and power to intrinsic safe battery supplied equipment, e.g. gas detectors		
Optional accessory:			
Type of Protection:	Intrinsic safety		
Marking:	[Ex ia]		
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 Official IECEx Website			
Certificate issued by:	UL International DEMKO A/S Borupvang 5A, DK-2750 Ballerup Denmark		
			



IECEx Certificate of Conformity

Certificate No: IECEx ULD 10 0018
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Manufacturer: **Crowcon Detection Instruments LTD**
2 Blacklands Way
Abingdon Business Park
ABINGDON
Oxfordshire
OX14 1DY
United Kingdom

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

[DK/ULD/ExTR10 0019/00](#)

[DK/ULD/ExTR10 0019/01](#)

Quality Assessment Report

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



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The equipment is associated apparatus for use as a battery charging and/or communications interface between safe area equipment and hazardous areas equipment used in a safe area. The equipment provides defined maximum output voltages current-limited by non-user replaceable fuses.

The inputs to the equipment are supplied by power supplies of 6.5 Vdc, 12 Vdc or 24 Vdc and/or serial communications interfaces. The equipment power/communications outputs are via a bespoke connector design.

Equipment included:

Four variants of the equipment, the type designations and descriptions of which are listed below: Type: POWER CABLE (6.5 Vdc input) Type: COMMUNICATION CABLE (USB communications only) Type: POWER AND COMMUNICATION CABLE (USB communications and power) Type: VEHICLE POWER CABLE (12 Vdc or 24 Vdc input)

CONDITIONS OF CERTIFICATION: NO



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

No technical change, just update of ExTR and CoC to IEC60079-0, Ed. 5