



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

Certificate No.:	IECEX QPS 08.0001X	issue No.:1	Certificate history: Issue No. 1 (2011-11-4) Issue No. 0 (2008-12-1)
Status:	Current		
Date of Issue:	2011-11-04	Page 1 of 4	
Applicant:	Sperian Protection 651 South Main Street, Middletown, CT 06457 United States of America		
Electrical Apparatus: <i>Optional accessory:</i>	Hand-Held Multi-Gas Detector (PhD6)		
Type of Protection:	Ex d ia IIC 170C (T3)		
Marking:	Ta= -20°C to +50°C IP60		
<i>Approved for issue on behalf of the IECEx Certification Body:</i>	Alfonso Mattucci		
<i>Position:</i>	Quality Control Engineer (QC)		
<i>Signature: (for printed version)</i>	_____		
<i>Date:</i>	_____		

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:

QPS
Evaluation Services Inc.
 81 Kelfield St
 Unit 8
 Toronto, Ontario M9W 5A3
 Canada





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Manufacturer: **Sperian Protection**
651 South Main Street,
Middletown, CT 06457
United States of America

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:

[CA/QPS/ExTR08.0002/01](#)

Quality Assessment Report:

[US/UL/QAR06.0005/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The PhD6 Gas Detector is a battery operated, portable, hand-held gas detector designed to measure Combustible Gas, Oxygen and up to three types of Toxic gases with one unit. This unit is Intrinsically Safe "ia" for use in hazardous areas when used with Battery Pack 54-54-106 or 54-54-107, or the Pump Assembly 54-54-102. Docking stations and Charger models 54-54-103-X, PhD6 IQ6, Model 54-54-9000 are considered associated equipment and are to be located outside the hazardous area.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Suitable precaution against electrostatic discharge must be employed by the end user when the apparatus is used in a manner that may store charge
2. Docking stations and Charger models 54-54-103-X. PhD6 IQ6, Model 54-54-9000 are considered associated equipment and are to be located outside of the hazardous area



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

Issue 0: Original certification

Issue 1: update to include minor component changes, update documents and evaluation to IEC 60079-0 5th edition.