

**BUREAU
VERITAS**



(1) **EC-Type Examination Certificate**

(2) **Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres
– Directive 94/9/EC**

(3) **EC Type Examination Certificate Number**

EPS 09 ATEX 1 145 X

(4) **Equipment:** Multiple Gas Detector Model Type PhD6

(5) **Manufacturer:** Sperian Protection

(6) **Address:** 651 South Main Street, Middletown, CI USA (860) 344-1079

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) Bureau Veritas E&E Product Services GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies that this equipment 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 of the Directive. The examination and test results are recorded in the confidential report

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2006

EN 60079-11:2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

(12) The marking of the equipment shall include the following:

 II 2G d ia IIC T3

Certification department of explosion protection

Türkheim, February 2, 2009

A. Hänchen





**BUREAU
VERITAS**

(13)

Annexe

(14) **EC Type Examination Certificate EPS 08 ATEX 1 145 x**

(15) Description of equipment:

The multiple gas detector model PhD6 is a battery operated, hand-held gas detector designed to measure combustible gas, oxygen and up to three types of toxic gases with one unit. The multiple gas detector PhD6 comprises the following accessories:

Multiple Gas detector	Model PhD6
Battery Charger Station	Model 54-54-103-X
Battery Charger/Docking Station	PhD6 IQ6, Model 54-54-9000
Battery Packs	Models 54-54-106 and 54-54-107
Pump Assembly	Model 54-54-102

Electrical data:

Multiple Gas Detector, Model PhD6	U = 4 Vdc
Pump assembly	U = 4 Vdc
Battery Packs	Intrinsically safe when used with PhD6
Battery Charger	U = 9Vdc
Battery charger	U = 120Vac

(16) Test report: 09TH0004

(17) Special conditions for safe use:

The ambient temperature range deviates from the standard temperature range and amounts to $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$.

The warning markings according to EN 60079-11, subchapter 12.3 a), b) and c) have to present on the name plate.

The battery shall be reloaded or changed exclusively outside hazardous locations.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, February 2, 2009

A. Hänchen



**BUREAU
VERITAS**



1. Extension for EC Type Examination Certificate

(1) EC Type examination Number

EPS 09 ATEX 1 145 X

(2) Equipment: Multiple Gas Detector Model Type PhD6

(3) Manufacturer: Sperian Protection

(4) Address: 651 South Main Street, Middletown, CI USA (860) 344-1079

(5) Description:

The apparatus was assessed for minor component changes, update of documents and evaluation according to EN 60079-0 edition 2009

The test results of the extension are recorded in the confidential report 09TH0004.

(6) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2009

EN 60079-11:2007

Certification department of explosion protection

Türkheim, May 04, 2012



A. Hänchen



**BUREAU
VERITAS**



(1) **EC-Type Examination Certificate**

(2) **Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres
– Directive 94/9/EC**

(3) **EC Type Examination Certificate Number**

EPS 09 ATEX 1 145 X

Rev. 2

(4) **Equipment:** Multiple Gas Detector Model Type PhD6

(5) **Manufacturer:** BW Technologies by Honeywell

(6) **Address:** 2840 2nd Ave. SE, Calgary, Alberta, T2A 7X9

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) Bureau Veritas Consumer Product Services GmbH, Notified Body No. 2004 in accordance with Article 9 of the Council Directive 94/9/EC of March 23rd 1994, certifies that this equipment 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 of the Directive. The examination and test results are recorded in the confidential report 09TH0004

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2009

EN 60079-11:2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 the construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

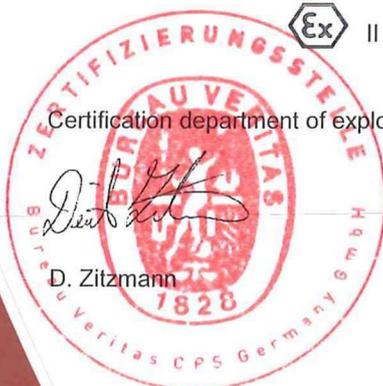
(12) The marking of the equipment shall include the following:



II 2G Ex d ia IIC T3 Gb

Certification department of explosion protection

Türkheim, April 16, 2013



D. Zitzmann



**BUREAU
VERITAS**

(13)

Annexe

(14) **EC Type Examination Certificate EPS 09 ATEX 1 145 X** **Rev. 2**

(15) Description of equipment:

The multiple gas detector model PhD6 is a battery operated, hand-held gas detector designed to measure combustible gas, oxygen and up to three types of toxic gases with one unit. The multiple gas detector PhD6 comprises the following accessories:

Multiple Gas detector	Model PhD6
Battery Charger Station	Model 54-54-103-X
Battery Charger/Docking Station	PhD6 IQ6, Model 54-54-9000
Battery Packs	Models 54-54-106 and 54-54-107
Pump Assembly	Model 54-54-102

Electrical data:

Battery operated: 4 Vdc nominal

(16) Test report: 09TH0004

(17) Special conditions for safe use:

The ambient temperature range deviates from the standard temperature range and amounts to $-20^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$.

The warning markings according to EN 60079-11, subchapter 12.3 a), b) and c) have to present on the name plate.

The battery shall be reloaded or changed exclusively outside hazardous locations.

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.

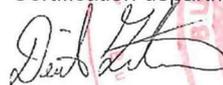
The measuring function according to annex II paragraph 1.5.5 of the directive is not matter of this EC-type examination.

(18) Essential health and safety requirements:

Met by standards.

Certification department of explosion protection

Türkheim, April 16, 2013


D. Zitzmann

