



# Certificate of Compliance

**Certificate:** 2093567

**Master Contract:** 157918

**Project:** 70007673

**Date Issued:** November 13, 2014

**Issued to:** BW Technologies by Honeywell

2840 2nd Ave SE  
Calgary, AB T2A 7X9  
Canada  
Attention: Steve Uliasz

*The products listed below are eligible to bear the CSA Mark shown*



*Zahra Amini*

**Issued by:** Zahra Amini

## **PRODUCTS**

**CLASS 4828 01** - SIGNAL APPLIANCES - - Combustible Gas Detection Instruments-For Hazardous Locations

Class I, Division 1, Groups A, B, C and D ; Temperature Code T3C ;

Model PhD6 is a battery operated, portable, hand-held multi gas detector designed to measure Combustible Gas, Oxygen and Toxic gases with one unit. This unit is Intrinsically Safe when used with Battery Pack 54-54-106 or 54-54-107, 54-54-107 is a Lithium-Ion battery pack, and 54-54-106 is a non-rechargeable alkaline battery pack for use with three Energizer E91, EN91, or Duracell MN1500 or MX1500 AA batteries. May be used with Pump Assembly, Model 54-54-102.

## **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-M91 - General Requirements – Canadian Electrical Code, Part II

C22.2 No. 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations

CAN/CSA-C22.2 No. 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations

CSA Std. C22.2 No. 152-M1984 - Combustible Gas Detection Instruments

UL 913 (7th Ed.) - Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division I, Hazardous Locations



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## **MARKINGS**

### **PhD6:**

- the CSA approval mark;
- Manufacturer's name or trademark;
- model designation;
- date code/serial number;
- hazardous location designation and ratings, Class, Div, Groups, Temp Code
- Identification of the Battery Packs that may be used
- Markings indicating the device is Intrinsically Safe
- Warning: To reduce the risk of Explosion, battery packs must be charged or replaced only in an area known to be non-hazardous
- Warning : Substitution of components may impair intrinsic safety
- The words C22.2 No. 152

### **Battery Packs:**

- the CSA approval mark;
- Manufacturer's name or trademark;
- model designation;
- date code/serial number;
- Alkaline Pack - Warning: Use only E91, EN91, MX1500 or MN1500 type batteries. Do not mix types or old and new batteries (this label may be affixed to the alkaline battery pack and visible only after the battery pack has been removed from the PhD6)
- Rechargeable Pack – Warning: Rechargeable battery not user replaceable (or equivalent)

### **Pump:**

- the CSA approval mark;
- Manufacturer's name or trademark;



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- model designation;
- date code/serial number;
- The words C22.2 No. 152