



Member of the FM Global Group

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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

COMBUSTIBLE GAS DETECTORS, Fixed

Stationary Single Channel 4-20 mA Combustible Gas Detector. Stand Alone Sensor/Transmitter. Searchpoint Optima Plus are: the following equipment was evaluated as explosionproof for Class I, Division 1, Groups B, C and D hazardous (classified) locations as associated intrinsically safe apparatus for connection to Class I, Division 1, Groups B, C and D hazardous (classified) locations when installed in accordance with Control Drawings 2104E0016, 2104E0025 or 2104E0097. The Termination Units DX100 DX100(I), or DX100(M) are explosionproof for installation in Class I, Division 1, Groups B, C and D hazardous (classified) indoor/outdoor locations T5 Ta = +40°C, IP67 and provides intrinsically safe outputs to the Model Hand-Held Calibrator, Type SHC1 when installed in accordance with drawing 2104E0097, 2104E0025 or 2104E0016 respectively. Transmitter monitors 0-100% LFL methane-in-air atmospheres. The Searchpoint Optima Plus series are constructed of stainless steel and have an operating temperature range of -40°C to +65°C. The operating voltage range is 18-32 V dc (24 V dc nominal), 8W.

2108B220a. Searchpoint Optima Plus.

a = Unit: 1(methane: source) or 2 (methane: sink)

Stationary Single Channel 4-20mA Combustible Gas Detector. Stand Alone Sensor/Transmitter. Searchpoint Optima Plus with HART Option is explosionproof for Class I, Division 1, Groups B, C and D hazardous (classified) locations and as associated intrinsically safe apparatus for connection to Class I, Division 1, Groups B, C and D hazardous (classified) locations when installed in accordance with Control Drawings 2104E0016, 2104E0025 or 2104E0097. The Termination Units DX100, DX100(I), or DX100(M) are explosionproof for installation in Class I, Division 1, Groups B, C and D hazardous (classified) indoor/outdoor locations T5 Ta = +40°C, IP67 and provides intrinsically safe outputs to the Model Hand-Held Calibrator, Type SHC1 when installed in accordance with drawing 2104E0097, 2104E0025, or 2104E0016 respectively. Transmitter Monitors 0-100% LFL methane-in-air atmospheres and provides a 4-20mA measurement signal with optional HART communication. The Searchpoint Optima Plus with HART Option is constructed of Stainless Steel and has an operating temperature range of -40°C to +65°C. The operating voltage range is 18-32 Vdc (24Vdc nominal), 5W. Options: Flow housing (p/n 2108B0282); XNX Universal Transmitter. The integral Optima Plus/XNX configuration is suitable for Zone 1 and Division 2 locations.

2108B220a, Searchpoint Optima Plus with HART Option

a = Type: N or H

FM Approved for:

Honeywell Analytics, Ltd
Poole, Dorset United Kingdom

To verify the availability of the Approved product, please refer to www.approvalguide.com



This certifies that the equipment described has been found to comply with the following Approval Standards and other documents:

Class 3600	2011
Class 3610	2010
Class 3615	2006
Class 6310,6320	2001
Class 3810	2005
ANSI/ISA-12.13.01	2000

Original Project ID: 3015165

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Subsequent Revision Reports / Date Approval Amended

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3039528	June 6, 2012		
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FM Approvals LLC

J.E. Marquedant
Group Manager, Electrical

22 October 2013

Date

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