

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

### **COMBUSTIBLE DETECTORS SYSTEM, Fixed**

Stationary Combustible Gas Detector. The HC300PL, monitors 0-100% LEL gas-in-air atmospheres. The HC300PL is an Infrared Hydrocarbon Gas Detectors which is explosionproof for use in Class I, Division 1, Groups B, C and D, T4 Ta = 75°C with intrinsically safe output for HART Communications in accordance with control drawing 007283-003; nonincendive for use in Class I, Division 2, Groups A, B, C and D, T4 Ta = 75°C hazardous (classified) locations. The operating temperature range of the Gas Detector is -40°C to +75°C. The operating parameters for the entire system is 24 V dc (nominal), 8 Amps maximum with relay option, relay contact ratings are 5 A at 30 V dc. The HC300PL provides a proprietary protocol known as the AutoLON. In addition, the system complies with ANSI/ISA-12.13.01-2000 Performance Requirements for Combustible Gas Detectors.

FM Approved for:

Autronica Fire and Security AS  
Haakon VII's Gate 4  
N 7483 Trondheim, Norway



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

Class 3600	1998
Class 3610	1999
Class 3611	2004
Class 3615	1989
Class 3810	2004
ANSI/ISA-12.13.01	2000
6310, 6320	2001
ANSI/NEMA 250	1999


Original Project ID: 3035360

Approval Granted: February 2, 2010

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

  
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J.E. Marquedant  
Group Manager, Electrical

2 February 2010  
Date