

# CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**

2. **Certificate No:** FM16US0191X  
3. **Equipment:** **AutoPoint Infrared Hydrocarbon Gas Detector**  
**(Type Reference and Name)** **Model HC200**

4. **Name of Listing Company:** **Autronica Fire and Security AS**

5. **Address of Listing Company:** **Bromstadveien 59**  
**N 7483 Trondheim**  
**Norway**

6. The examination and test results are recorded in confidential report number:

3025448 dated 15<sup>th</sup> May 2006

7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2011, FM Class 3610:2010, FM 3611:2004, FM Class 3615:2006, FM Class 3810:2005,  
FM 6320:2014, ANSI/ISA 12.13.01:2013

8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.

9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.

10. Equipment Ratings:

Explosionproof for 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 007283-002; nonincendive for use in Class I, Division 2, Groups A, B, C and D, T4 Ta = 75°C hazardous (classified) locations.

**Certificate issued by:**

J.E. Marquedant  
Manager, Electrical Systems

11 July 2017

Date

To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA  
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmapprovals.com](mailto:information@fmapprovals.com) [www.fmapprovals.com](http://www.fmapprovals.com)

# SCHEDULE



US Certificate of Conformity No: **FM16US0191X**

11. The marking of the equipment shall include:

Class I Division 1, Groups B, C, D; T4 Ta = -50°C to +75°C

Class I Division 2, Groups A, B, C, D; T4 Ta = -50°C to +75°C

12. **Description of Equipment:**

Stationary Single Channel 4-20 mA Combustible Gas Detector. Stand Alone Sensor/Transmitter. AutoPoint Infrared Hydrocarbon Gas Detector Model HC200 Series 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 007283-002; nonincendive for use in Class I, Division 2, Groups A, B, C and D, T4 Ta = 75°C hazardous (classified) locations. Gas Performance certified for Methane, Propane, Butane and Ethylene. The operating temperature range of the apparatus is -50°C to +75°C, operating voltage is 24 V dc (nominal), 10 W maximum with relay option, relay contact ratings are 5A at 30 V dc. In addition, the apparatus complies with ANSI/ISA-12.13.01-2013.

***HC200abcdef. AutoPoint Infrared Hydrocarbon Gas Detector***

a = Thread Type: A, B, E or F

b = Output and Measurement Options: 1 or 11

c = Optional Outputs: A, B, D or E

d = Weather Protection: 1, 2, 3, 4, or 5

e = Approvals: A, F, S, T or W (one or more letters may be used)

f = Classification 1 or 2

13. **Specific Conditions of Use:**

1. Approval covers use of the instrument when calibration is performed using the gas to be monitored and the highest alarm set points are preset within 10% of the calibration gas concentration.
2. The apparatus may be used with FM Approved PointWatch Termination Box Model PIRTB Series.
3. The apparatus may be used with FM Approved Universal Display Unit Model AV20 Series.
4. When using the Duct mount version, outlet air velocity must be monitored to be at least 280 ft/min.
5. The apparatus may be used with FM Approved Accessories as detailed in the FM Approval Appendix of Instruction Manual 95-8593.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

---

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA

T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmaprovals.com](mailto:information@fmaprovals.com) [www.fmaprovals.com](http://www.fmaprovals.com)

# SCHEDULE



US Certificate of Conformity No: **FM16US0191X**

Date	Description
15 <sup>th</sup> May 2006	Original Issue.
11 <sup>th</sup> January 2017	<u>Supplement 1:</u> Report Reference: – 3057378 dated 11 <sup>th</sup> January 2017 Description of the Change: Software update.
11 <sup>th</sup> July 2017	<u>Supplement 2:</u> Report Reference: – 3061844 dated 11 <sup>th</sup> July 2017 Description of the Change: Addition of output type 11, Fast Response Model.

**THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE**

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA  
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: [information@fmaprovals.com](mailto:information@fmaprovals.com) [www.fmaprovals.com](http://www.fmaprovals.com)