

CERTIFICATE OF CONFORMITY



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

2. **Certificate No:** FM19US0144X
3. **Equipment:** ThePoint RF
(Type Reference and Name) Level Transmitter with Remote Sensor

4. **Name of Listing Company:** AMETEK Drexelbrook

5. **Address of Listing Company:** 205 Keith Valley Rd
Horsham, Pennsylvania 19044
USA

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

3015110 dated 25th February 2003

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

FM Class 3600:2018, FM Class 3610:2010, FM Class 3615:2006, FM Class 3611:2004,
FM Class 3810:2018, ANSI/NEMA 250:1991, ANSI/IEC 60529:1999

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:**

ThePoint RF Level System Transmitter has been evaluated as Explosionproof for Class I, Division 1, Groups A, B, C and D; Dust-Ignitionproof for Class II, III, Division 1, Groups E, F and G; Nonincendive for Class I, II, III, Division 2, Groups A, B, C, D, F & G hazardous(classified) locations, outdoor Type 4, 4X, IP66, with Intrinsically Safe connections to Class I, II, III, Division 1, Groups A, B, C, D, E, F and G hazardous (classified) locations in accordance with Control Drawing 420-0004-181-CD.

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

8 October 2019

Date

To verify the availability of the Approved product, please refer to 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
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420-0004-200		Sht. 1 of 3	ISSUE 6
ISSUE	EDO NO.	APP'D	DATE
6	11-19-109	SGA	11-19-19

SCHEDULE



Member of the FM Global Group

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11. The marking of the equipment shall include:

Explosionproof with Intrinsically Safe Sensing Element for
Class I Division 1, Groups A, B, C, D; T4
Class II, Division 1, Groups E, F, G, Class III, Division 1
Suitable for
Class I, II, III, Division 2 Groups A, B, C, D, F, G
With Intrinsically Safe Sensing Element for
Class I, II, III, Division 1, Groups A, B, C, D, E, F, G; T5
Ta = -40°C to +70°C; Type 4, 4X, IP66
Install Per 420-0004-181-CD

12. **Description of Equipment:**

General - ThePoint RF Level System consists of a Model P_L series transmitter, a 700 series level sensor and an interconnecting cable used for the remote-mounted. The transmitter provides intrinsically safe outputs to the sensing element. It converts a capacitive level measurement into a relay contact signal.

Construction - The transmitter contains three circuit boards; terminal board, RF Board and Probe board. The encapsulated / assembled electronics are inserted into a plastic housing. This entire assembly is then installed in the flameproof aluminum housing with a tool-removable cover. The 700 Series sensors are passive devices which detect level measurements and relay them to the ThePoint Transmitter. The 700 Series sensors have a capacitance value of less than 1 μ F and are regarded as simple apparatus. The 700 Series sensors connect to the transmitter by AMETEK Drexelbrook's 380 Series cable.

Ratings - The transmitter is powered by a maximum voltage of 250Vac and has a maximum power rating of 2W. The entire system is meant to operate at in ambient temperature range of -40°C to +70°C.

PaLb-cde-f. ThePoint RF Level Transmitter with Remote Sensor

a = Electronics options, N, L, T, V, H, P, G or M.
b = Output option 1 or 2.
c = Seal Option: 3, 7 or B.
d = Cable; 1 through 9, A through K
e = Sensor; Sensor housing; 00, 01, 02, 03, 04, 06, 07, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 25, 26, 27, 29, 31, 32, 33, 34, 35, 36, 37, 38, 39, 50, 51, 52, 53, 55, 60, 61, 62, 63, 67 or ZZ.
f = Mounting Type; 4 digit alphanumeric code.

PaLb-c0d-e. ThePoint RF Level Transmitter with Integral Sensor

a = Electronics options, N, L, T, V, H, P, G or M.
b = Output option 1 or 2.
c = Seal Option: 3, 6 or 9.
d = Sensor; 00, 01, 02, 03, 04, 06, 07, 09, 11, 12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 24, 27, 28 or ZZ
e = Mounting Type; 4 digit alphanumeric code.

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13. Specific Conditions of Use:

1. Consult the manufacturer if dimensional information on the flameproof joints is necessary.
2. Care must be taken when installing the aluminium enclosure that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron / steel is excluded.

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:

Date	Description
25 th February 2003	Original Issue.
8 th October 2019	Supplement 5: Report Reference: – RR219747 dated 8 th October 2019. Description of the Change: Update minor drawing changes to meet FM compliance. Add Sensing Element Options. Update certificate to new format.

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