

CERTIFICATE OF CONFORMITY



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

2. **Certificate No:** FM16US0311X

3. **Equipment:** 2600T Pressure transmitter, Model 266 Wireless
(Type Reference and Name)

4. **Name of Listing Company:** ABB SpA

5. **Address of Listing Company:** Via L. Vaccani 4
Tremezzina (Co) Loc. Ossuccio 22016
Italy

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

3048996 dated 24th July 2014

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 Class 3810:2005,
and ANSI/IEC 60529:2004

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:**

Intrinsically safe for Class I, Division 1, Groups A, B, C and D; Class I, Zone 0 Group IIC indoor and outdoor Hazardous (Classified) Locations. Temperature classification T4 at Ta = -50°C to +70°C.

Certificate issued by:

J.E. Marquedant
Manager, Electrical Systems

28 September 2016

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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SCHEDULE



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11. The marking of the equipment shall include:

Class I Division 1, Groups A, B, C, D; T4 Ta = -50°C to +70°C; IP67

Class I, Zone 0, AEx ia IIC T4, Gb Ta = Ta = -50°C to +70°C; IP67

12. **Description of Equipment:**

General & Construction - The 2600T Pressure transmitter, Model 266 Wireless Pressure Transmitter is a battery powered device which consists of an aluminium alloy or stainless steel housing with an internal partition which separates the enclosure into a battery compartment and an electronics compartment. RF leadthroughs are fitted in the partition wall. The battery compartment is fitted with a flat threaded cover and the electronics compartment is fitted with a window cover having a cemented-in flat glass window. The housing is also provided with a threaded opening on the electronics side to accommodate a pressure sensor (primary) which can be of gauge or differential design and having various sensor types. All joints are sealed using 'O' rings and all threaded covers are locked against removal.

The enclosure meets the requirements for IP67.

Ratings - The ambient operating temperature range of the 2600T Pressure transmitter, Model 266 Wireless is -50°C to 70°C. Process temperature range is -50°C to 135°C.

266 bcdefghimnoqrs9u Model 266 Wireless Pressure Transmitter

b = measure type and construction: D, H, N, P, or V

c = application: D**, H, L, R**, or S

d = performance: Single digit not relevant to safety

e = upper range limits: A, B, E, F, G, H, M, P, Q, S, or W

f = static pressure range: H or S

g = transducer diaphragm material and fill fluid: 4, 5, 8, 9, A, B, C, D, H, I, K, L, M, P, Q, R, S or T

h = process flanges material & connection: 1, 2, 3, A, B, C, D, E, F, G, K, M, N, P, R or T.

i = Blank

m (only for 266 DLH and 266 DHH) = high pressure side process flange standard rating – size: A, B, D, E, M, N or L

n (only for 266 DLH and 266 DHH) = high pressure side process flange material-form finish: A, D, G or L

o (only for 266 DLH and 266 DHH) = low pressure side diaphragm material and fill fluid: 4, 5, A, B, C, D, F, H, K, L, M, P, Q, S or T

q (only for 266 DLH) = low pressure side seal type and capillary length: 1, 2, 3, 4, 5, 6, 7, 8, M, N, Q, S, T, U, V or Z

r = bolts and gasket: 1, 2, 3, 4, 8, 9 or N

s = electronic housing: B or T

u = option blank or A1, A2, B+, C+, D+, EA, F+, H+, I+, L1, L5, L9, M+, N+, P+, T+, V1, V2, V3, V4, V5, V6, V7, V8, V9, VA, VB, VC, W+, Y+ or Z1.

** Note 1: if on option "c" is D or R denotes remote seal elements.

*Note 2: Any single letter or number.

Code of remote seal:

S6 for 600TEN series

S26 for 2600T series

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13. Specific Conditions of Use:

1. The Model 266 enclosure contains aluminium and is considered to present a potential risk of ignition by impact or friction. Care must be taken into account during installation and use to prevent impact or friction.

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
24 th July 2014	Original Issue.
28 th September 2016	<u>Supplement 3:</u> Report Reference: – RR206443 dated 28 th September 2016 Description of the Change: Addition of 700 Bar version

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