



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX FME 16.0002X**

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Certificate history:

Status: **Current**

Issue No: 14

Issue 13 (2023-03-06)

Issue 12 (2022-08-31)

Issue 11 (2022-05-26)

Issue 10 (2022-03-28)

Issue 9 (2021-10-08)

Issue 8 (2021-08-21)

Issue 7 (2021-04-19)

Issue 6 (2019-03-12)

Issue 5 (2019-01-23)

Issue 4 (2018-07-17)

Date of Issue: 2024-02-29

Applicant: **ABB SpA**
Via L Vaccani 4
Tremezzina Ossuccio, Como 22016
Italy

Equipment: **Model 266 Pressure Transmitter**

Optional accessory:

Type of Protection: **Flameproof, protection by enclosure**

Marking: Ex db IIC T6 Ga/Gb
Ex tb IIIC T85°C Db
Ta = -50°C to +75°C
IP66; IP67

Approved for issue on behalf of the IECEx
Certification Body:

Nicholas Ludlam

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

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Certificate issued by:

FM Approvals Ltd
Voyager Place
Maidenhead Berkshire SL6 2PJ
United Kingdom





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Date of issue: 2024-02-29

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Manufacturer: **ABB SpA**
Via L Vaccani 4
Tremezzina Ossuccio, Como 22016
Italy

Manufacturing locations: **ABB Engineering (Shanghai) Limited**
No 4528 KangXin Highway
KangQiao Town
Pudong NewDistrict
Shanghai 201319
China

ABB India Limited
Process Automation - Measurement Products
Plot No. 5 & 6, 2nd Phase, Peenya
Industrial Area
Bangalore - 560058
India
India

ABB Inc
125 East County Line Rd. Warminster,
PA 18974
United States of America

See following pages for more locations

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-26:2014](#) Explosive atmospheres – Part 26: Equipment with Equipment Protection Level (EPL) Ga
Edition:3.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/FME/ExTR16.0002/00](#)
[GB/FME/ExTR16.0002/03](#)
[GB/FME/ExTR16.0002/06](#)
[GB/FME/ExTR16.0002/11](#)
[GB/FME/ExTR16.0002/15](#)

[GB/FME/ExTR16.0002/01](#)
[GB/FME/ExTR16.0002/04](#)
[GB/FME/ExTR16.0002/07](#)
[GB/FME/ExTR16.0002/12](#)

[GB/FME/ExTR16.0002/02](#)
[GB/FME/ExTR16.0002/05](#)
[GB/FME/ExTR16.0002/08](#)
[GB/FME/ExTR16.0002/13](#)

Quality Assessment Reports:

[CA/CSA/QAR06.0010/12](#)
[GB/ITS/QAR16.0002/04](#)

[GB/FME/QAR10.0007/12](#)
[IT/CES/QAR07.0001/17](#)

[GB/FME/QAR21.0005/00](#)
[NO/PRE/QAR17.0003/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The 2600T Pressure transmitter, Model 266 consists of an aluminium alloy or stainless steel housing with an internal partition which separates the enclosure into a terminal compartment and an electronics compartment. RF leadthroughs are fitted in the partition wall. The terminal 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 joints are locked against removal.

The enclosure body also has 2 threaded conduit entries and the threads are either M20 x 1.5 or ½ inch NPT.

The 2600T Pressure transmitter, Model 266 is rated at 42V dc, 2W.

Instruction Manual: SOI-266-EN Rev J

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. When the manufacturer of the equipment has not identified the type of protection on the label, the user shall, on installation, mark the label with the type of protection used. Once the type of protection has been marked it shall not be changed.
2. The material of the partition wall (sensing diaphragm) shall not be subject to environmental conditions which might adversely affect it.
3. The Model 266 main electronics enclosure option s = A or B 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.
4. For areas subject to explosive dust atmospheres the painted surface of the Model 266 may store electrostatic charge and become a source of ignition in applications with a low relative humidity < ~ 30% relative humidity where the painted surface is relatively free of surface contamination such as dirt, dust, or oil. Guidance on protection against the risk of ignition due to electrostatic discharge can be found in IEC TS 60079-32-1. Cleaning of the painted surface shall only be done in accordance with the manufacturer's instructions.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Update to QAR



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Additional manufacturing locations:

ABB Inc,
7051 Industrial Blvd
Bartlesville, OK 74006
United States of America

ABB Electrical Industries Co. Ltd. (SAARA)
75th Street, 2nd Industrial City,
PO Box 514,
Dammam
Saudi Arabia

Annex:

[Annex to FME16_0002X Issue 13.pdf](#)

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Electrical Ratings;

Modbus version: U = 30 Vdc P = 2 W

Other versions: U = 42 Vdc P = 2 W

266bcdefghimnoqrstu 2600T Pressure transmitter, Model 266.

b = measure type and construction: A, C, D, G, H, J, M, N, P, R, or V.

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

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: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, C, N, R, T or S.

s = electronic housing: A, B, S or T.

t = communication: 1, 2, 3, 7, or 8.

u = Options: E9, EH or EI or A1, A2, A3, AA, AB, B†, C†, D†, H†, I†, L1, L3, L5, L7, L9, M†, N†, P†, R1, S2, T†, V1, V2, V3, V4, V5, V6, V7, V8, V9, VA, VB, VC, Y†, or Z1.

** Note 1: If option “c” is D or R, this denotes remote seal elements.

† Note 2: Any single letter or number.

Code of remote seal:

S6 for 600TEN series

S26 for 2600T series

Model code option variables “d” through “i” do not affect product safety.

266bcdefghimnoqrs7u 2600T Series Pressure Transmitter model 266. (Integrated HMI option)

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

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

m (only for 266DLH and 266DHH) = A, B, D, E, M, N, L,

n (only for 266DLH and 266DHH) = A, D, G, L

o (only for 266DLH and 266DHH) = L, A, S, Q, B, H, P, F, K, C, 4, M, D, T, 5

q (only for 266DLH) = 1, 2, 3, 4, 5, 6, 7, 8, M, N, Q, S, T, U, V, Z

r = 1, 2, 3, 4, 8, 9, R, S

s = electronic housing: A, B, S, or T

u = Options: E9, EH or EI, A1, B†, C†, D†, F†, H†, I†, LS, M†, N†, P†, R1, S2, T†, V1, V2, V3, V4, V5, V6, V7, V8, V9, VA, VB, or VC.

** 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:

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S26 for 2600T series

Model code option variables “d” through “i” do not affect product safety.

266 bcdefghirs5u 2600T Flow transmitter, Model 266 Modbus Version

b = measure type and construction: C or J

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

r = bolts and gasket: 3, 4, 5, 6, 7, T, or R

s = electronic housing: A, S, B, or T

u = option: E9, EH or EI and A1, A8, A9, B[†], C[†], D[†], F[†], H[†], I[†], L1, L5, L9, M[†], N[†], P[†], T[†], UA, UB, UC, V1, V2, V3, V4, V5, V6, V7, V8, V9, 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

Model code option variables “d” through “i” do not affect product safety.

266 bcdefghirs6u 2600T Pressure transmitter, Model 266 Modbus Version

b = measure type and construction: A, N, H, G, C or J

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

r = bolts and gasket: 3, 4, 5, 6, 7, T, or R

s = electronic housing: A, S, B, C, D, or T

u = option: E9 or EN and A1, A2, A3, A8, A9, AA, AB, AC, B[†], C[†], D[†], F1, H[†], I[†], L1, L5, M[†], N[†], P[†], R1, S2, T[†], V[†], 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

Model code option variables “d” through “i” do not affect product safety.

266NSHeghs1u 2600T Pressure transmitter, Model 266 MID option YC– Dual Seal

s = electronic housing: A, B, S, or T.

u = Options: YC and E2, EN, EH or E7, and blank, or A1, B[†], C[†], H[†], I[†], L1, M[†], N[†], P[†], S2, T[†], V[†], or Z1.

† Note: Any single letter or number.

Model code option variables “e” through “i” do not affect product safety.

266bcdefghimnoqrstu 2600T Pressure transmitter, Model 266.

b = measure type and construction: A, C, D, G, H, J, M, N, P, R, or V.

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

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,

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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: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, C, N, R, T or S.

s = electronic housing: A, B, S or T.

t = communication: 1, 2, 3, 7, or 8.

u = Options: E9, EH or EI or A1, A2, A3, AA, AB, B[†], C[†], D[†], H[†], I[†], L1, L3, L5, L7, L9, M[†], N[†], P[†], R1, S2, T[†], V1, V2, V3, V4, V5, V6, V7, V8, V9, VA, VB, VC, Y[†], or Z1.

** Note 1: If option “c” is D or R, this denotes remote seal elements.

† Note 2: Any single letter or number.

Code of remote seal:

S6 for 600TEN series

S26 for 2600T series

Model code option variables “d” through “i” do not affect product safety.

266bcdefghimnoqrs7u 2600T Series Pressure Transmitter model 266. (Integrated HMI option)

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

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

m (only for 266DLH and 266DHH) = A, B, D, E, M, N, L,

n (only for 266DLH and 266DHH) = A, D, G, L

o (only for 266DLH and 266DHH) = L, A, S, Q, B, H, P, F, K, C, 4, M, D, T, 5

q (only for 266DLH) = 1, 2, 3, 4, 5, 6, 7, 8, M, N, Q, S, T, U, V, Z

r = 1, 2, 3, 4, 8, 9, R, S

s = electronic housing: A, B, S, or T

u = Options: E9, EH or EI, A1, B[†], C[†], D[†], F[†], H[†], I[†], LS, M[†], N[†], P[†], R1, S2, T[†], V1, V2, V3, V4, V5, V6, V7, V8, V9, VA, VB, or VC.

** 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:

S26 for 2600T series

Model code option variables “d” through “i” do not affect product safety.

266bcdefghirs5u 2600T Flow transmitter, Model 266 Modbus Version

b = measure type and construction: C or J

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

r = bolts and gasket: 3, 4, 5, 6, 7, T, or R

s = electronic housing: A, S, B, or T

u = option: E9, EH or EI and A1, A8, A9, B[†], C[†], D[†], F[†], H[†], I[†], L1, L5, L9, M[†], N[†], P[†], T[†], UA, UB, UC, V1, V2, V3, V4, V5, V6, V7, V8, V9, 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:

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Model code option variables “d” through “i” do not affect product safety.

266bcdefghirs6u 2600T Pressure transmitter, Model 266 Modbus Version

b = measure type and construction: A, N, H, G, C or J

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

r = bolts and gasket: 3, 4, 5, 6, 7, T, or R

s = electronic housing: A, S, B, C, D, or T

u = option: E9 or EN and A1, A2, A3, A8, A9, AA, AB, AC, B†, C†, D†, F1, H†, I†, L1, L5, M†, N†, P†, R1, S2, T†, V†, 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

Model code option variables “d” through “i” do not affect product safety.

266NSHeghs1u 2600T Pressure transmitter, Model 266 MID option YC– Dual Seal

s = electronic housing: A, B, S, or T.

u = Options: YC and E2, EN, EH or E7, and blank, or A1, B†, C†, H†, I†, L1, M†, N†, P†, S2, T†, V†, or Z1.

† Note: Any single letter or number.

Model code option variables “e” through “i” do not affect product safety.

266bcdeghi*stu 2600T Pressure transmitter, Model 266DDS.

b = measure type and construction: A*, G*, H, N.

c = application: S or R**.

s = electronic housing: S, or T.

t = communication: D or S.

u = Options: E9, EN, EH, or EI and blank, or A1, A2, A3, AA, AB, AC, B†, C†, D†, H†, I†, L1, M†, N†, P†, S2, T†, V1, V2, V3, V4, V5, V6, V7, V8, V9, VA, VB, VC, Y†, or Z1.

** Note 1: If option “c” is R, this denotes remote seal elements.

* Note 2: If option “b” is A or G option “i” is also present with fix value “N”.

† Note 2: Any single letter or number.

Code of remote seal :

S26 for 2600T series

Model code option variables “d” through “i” do not affect product safety.