



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx FME 16.0004X

Issue No: 5

Certificate history:

Status: **Current**

[Issue No. 5 \(2019-01-23\)](#)

[Issue No. 4 \(2018-07-17\)](#)

Date of Issue: **2019-01-23**

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[Issue No. 3 \(2018-06-11\)](#)

[Issue No. 2 \(2017-10-19\)](#)

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

[Issue No. 1 \(2017-04-07\)](#)

[Issue No. 0 \(2016-07-28\)](#)

Equipment: **Model 266 Pressure Transmitter**

Optional accessory:

Type of Protection: **Type of Protection 'ic'; Protection by enclosure 'tc'; Type nA**

Marking:

Ex ic IIC T6...T4 Gc

Ex nA IIC T* Gc - Modbus version only - Communication = 5

Ex nA nC IIC T* Gc - Modbus version only - Communication = 6

Ex tc III C T85°C Dc

FISCO – for option t = 3

* See Description of Equipment or Protective System for the temperature class

IP66; IP67

*Approved for issue on behalf of the IECEx
Certification Body:*

Nicholas Ludlam

Position:

Deputy Certification Manager

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

FM Approvals Ltd
1 Windsor Dials
SL4 1RS Windsor
United Kingdom



Member of the FM Global Group



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

Additional Manufacturing location(s):

See Attachment for additional manufacturing sites

ABB Automation Products GmbH
Schillerstraße 72
32425 Minden
Germany

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 apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*This Certificate **does not** indicate compliance with electrical 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 Report:

GB/FME/ExTR16.0002/00	GB/FME/ExTR16.0002/01	GB/FME/ExTR16.0002/02
GB/FME/ExTR16.0002/03	GB/FME/ExTR16.0002/04	GB/FME/ExTR16.0002/05

Quality Assessment Report:

CA/CSA/QAR06.0010/07	DE/TUN/QAR06.0012/04	GB/FME/QAR10.0007/08
GB/ITS/QAR16.0002/01	IT/CES/QAR07.0001/11	NO/PRE/QAR17.0003/01



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Schedule

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

The enclosure meets the requirements for IP67.

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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Label update and adds in NO/PRE/QAR17.0003/01

Annex:

[Annex to FME16_0004X Issue 05.pdf](#)

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The various options are as follows:

Electrical ratings;

Ui= 42 Vdc li = 25 mA Ci = 5 nF Li = 10 µH – HART Communications t = 1, 7, or 8
 Ui= 42 Vdc li = 25 mA Ci = 17 nF Li = 10 µH – HART NAMUR Communications t = 1 or 8
 Ui= 42 Vdc li = 25 mA Ci = 13 nF Li = 10 µH – HART Multivariable Communications t = 1, or 8
 Ui= 24 Vdc li = 25 mA Ci = 5 nF Li = 10 µH – Fieldbus t = 2
 Ui= 17.5 Vdc li = 25 mA Ci = 5 nF Li = 10 µH – Profibus t = 3
 Ui = 30 Vdc li = 25 mA – Modbus Option t = 5 or 6

266bcdefghimnoqrstu 2600T Series Pressure Transmitter model 266.

HART/Entity Version - **Communications option t = 1, 7, or 8**

Temperature Class - Gas	Temperature Class - Dust	Minimum Ambient Temperature	Maximum Ambient Temperature
T4	T135°C	-50°C	+85°C
T4	T135°C	-50°C	+70°C
T5	T100°C	-50°C	+40°C
T6	T85°C	-50°C	+40°C

Profibus/Fieldbus Version - **Communications option t = 2 or 3**

Temperature Class - Gas	Temperature Class - Dust	Minimum Ambient Temperature	Maximum Ambient Temperature
T4	T135°C	-50°C	+85°C
T5	T100°C	-50°C	+40°C
T6	T85°C	-50°C	+40°C

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, E, G, J, K, S, T, W, or Z.

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

u = Options: EI or ER, blank, or AA, AB, A1, A2, A3, A8, A9, B†, C†, D†, F†, H†, I†, L1, L3, L5, L7, L9, M†, N†, P†, R1, S2, T†, U†, 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.

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† Note 2: Any single letter or number.

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

Code of remote seal:
S6 for 600TEN series
S26 for 2600T series

266bcdefghrstu 2600T Series Pressure Transmitter model 266 (multivariable)

HART/Entity Version - **Communications option t = 1 or 8**

Temperature Class - Gas	Temperature Class - Dust	Minimum Ambient Temperature	Maximum Ambient Temperature
T4	T135°C	-50°C	+85°C
T4	T135°C	-50°C	+70°C
T5	T100°C	-50°C	+40°C
T6	T85°C	-50°C	+40°C

b = measure type and construction: C, J,

c = application: R**, S

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

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

t = communication: 1, or 8,

u = Options: EI or ER, blank, or A1, B†, C†, D†, F†, H†, I†, L1, L3, L5, L7, L9, M†, N†, P†, R1, S2, T†, U†, V1, V2, V3, V4, V5, V6, V7, V8, V9, W†, Y† (Excluding u = YE) 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.

266bcdefghirstu 2600T Series Pressure Transmitter model 266 (multivariable NE21 Terminal option).

Ex ic IIC T6...T4 Gc - (For communication option 1, 8);

Ex tc IIIC T85°C Dc –IP67 (For communication option 1, 8)

Ta = -50°C to +75°C IP67

Electrical parameters

HART/Entity (communications options t = 1, or 8)

Ui = 42 Vdc li = 25 mA Ci ≤ 17 nF Li ≤ 10 μH

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Temperature Class - Gas	Temperature Class - Dust	Minimum Ambient Temperature	Maximum Ambient Temperature
T4	T135°C	-50°C	+85°C
T4	T135°C	-50°C	+70°C
T5	T100°C	-50°C	+40°C
T6	T85°C	-50°C	+40°C

b = measure type and construction: C, or J.

c = application: R**, or S.

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

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

t = communication: 1, or 8

u = Options: ER, and blank, or A1, B[†], C[†], D[†], F[†], H[†], I[†], L1, L5, M[†], N[†], P[†], R1, S2, T[†], U[†], V1, V2, V3, V4, V5, V6, V7, V8, V9, YE or Z1.

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

[†] Note 2; Any single letter or number.

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

Code of remote seal:

S6 for 600TEN series

S26 for 2600T series

266 bcdefghrs5u 2600T Flow transmitter, Model 266 Modbus Version
Communications option t = 5

Temperature Class - Gas	Temperature Class - Dust	Minimum Ambient Temperature	Maximum Ambient Temperature
T4	T135°C	-50°C	+85°C
T4	T135°C	-50°C	+70°C
T5	T100°C	-50°C	+40°C
T6	T85°C	-50°C	+40°C

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: EI or ER, and blank or 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.

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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)
HART/Entity Version - **Communications option t = 7**

Temperature Class - Gas	Temperature Class - Dust	Minimum Ambient Temperature	Maximum Ambient Temperature
T4	T135°C	-50°C	+85°C
T4	T135°C	-50°C	+70°C
T5	T100°C	-50°C	+40°C
T6	T85°C	-50°C	+40°C

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

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

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

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

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

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

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

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

u = Option: EI or ER and blank or A1, B†, C†, D†, F†, H†, I†, LS, M†, N†, P†, T†, S2, R1, UC, 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.

266 bcdefghrs6u 2600T Pressure transmitter, Model 266 Modbus Version
Communications option t = 6

Temperature Class - Gas	Temperature Class - Dust	Minimum Ambient Temperature	Maximum Ambient Temperature
T4	T135°C	-50°C	+85°C
T4	T135°C	-50°C	+70°C
T5	T100°C	-50°C	+40°C
T6	T85°C	-50°C	+40°C

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

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

u = Option: ER, EN and blank or A1, A2, A3, A8, A9, AA, AB, AC, B†, C†, D†, F1, H†, I†, L1, L5, M†, N†, P†, R1, S2, T†, V1, V2, V3, V4, V5, V6, V7, V8, V9, VA, VB, VC, 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.

Additional Manufacturing Locations

ABB Engineering (Shanghai) Ltd.
No.4528, KangXin Highway,
PuDong New District,
Shanghai, 201319,
P.R. China

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

ABB Inc.
125 East County Line Road,
Warminster, PA 18974
USA

Manufacturing locations for the Modbus Communication option “t” (communications) = 5 only.

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

ABB Inc.
7051 Industrial Blvd
Bartlesville, OK 74006
U.S.A.

Manufacturing locations for the Modbus Communication option “t” (communications) = 6 only.

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