

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**Model V157 abcdefghijklmnopqrst. 2010TD and 2010TA Differential and Absolute Pressure Transmitter.**

XP/II /1 /ABCD / T6 Ta = 75°C; DIP / II,III /1 /EFG/T6Ta=75°C; Type 4X

a = Type 12 (Transmitter 2010TD Differential Transmitter) or 13 (Transmitter 2010TA Absolute Transmitter).

b = Communication P, F, H or S.

c = Ranges(dp/pabs) A, B, C, D, E, G, M or N.

d = Ranges pabs-sensor(second value only with 2010TD) 0 or 1.

e = Measuring Sensor A, B, E, K, N or T.

f = Process Flange(HP and LP sides identical) 1, 2, 3, 7, 8, 9, A, B, C, D, E, F, G or H.

g = Process connection A, B, C, D or E.

h = Bolts, flange O-rings 6, 7, 8 or 9.

j = Amplifier Housing D, E, J, K, L or M.

k = Function 5C9 or 224.

l = Amplifier Housing Accessories 5C2, 5C4, 5C5 or 5C6.

m = Explosion protection 5A2.

n = Oxygen Measurement 179.

o = Brackets 142 or 144.

p = Vent/drain plugs 395 or 396.

q = Flange adapters 375, 376, 377 or blank.

r = Tag No.5C8.

s = Instruction manual Z2D or Z2E.

t = Material certification 530, 531, 532, 533, 534, 535, 536, 537 or 150.

**Model V157 abcdefghijklmnop. 2020TG and 2020TA Gage Pressure, level and Absolute Pressure Transmitters.**

XP/II /1 /ABCD / T6 Ta = 75°C; DIP / II,III /1 /EFG/T6Ta=75°C; Type 4X

a = Type 53 (Transmitter 2020TG Gage Pressure) or 54 (Transmitter 2010TA Absolute Pressure).

b = Communication P, F, H or S.

c = Measuring Ranges D, F, G, H, M or O.

d = Not part of FM Approval

e = Measuring Sensor (ranges 2.5 up to 600bar) 4, 5, 6, A, B, C, D, E, F or G.

f = Material Process connection A or B.

g = Process connection A, B, C, D, E, F or G.

h = Amplifier Housing D, E, F, J, K, L, M or N.

j = Function 5C9.  
 k = Explosion protection 5A2.  
 l = Oxygen Measurement 179.  
 m = Brackets 142 or 144.  
 n = Tag No.5C8.  
 o = Instruction manual Z2D or Z2E.  
 p = Certificates 530, 531, 532, 533, 534, 535, 536, 537 or 150.

**Model V157 abcdefghijklmnopqrs. 2010TC Differential Pressure and Temperature Transmitter.**

XP/I /1 /ABCD / T6 Ta = 75°C; DIP / II,III /1 /EFG /6Ta=75°C; Type 4X

a = Type 14.  
 b = Communication P, F, H, M or K.  
 c = Measuring ranges dp A, B, C, D, E, F or G.  
 d = Measuring ranges pabs-sensor (rated pressure) 2, 3, 4 or 5.  
 e = Measuring sensor A, B, E, K, N or T.  
 f = Process Flange, HP and LP sides identical J, L or M.  
 g = Process Connection A, B, C or D.  
 h = Bolts/Flange o-rings 6, 7, 8 or 9.  
 j = Amplifier housings D, E, J, K, L or M.  
 k = Function S00 or 5C9.  
 l = Explosion protection 5A2.  
 m = Oxygen measurement 179.  
 n = Mounting bracket 142 or 144.  
 o = Vent/Drain plugs 395 396.  
 p = Flange adapter 377.  
 q = Tag no. 5C8.  
 r = Operating Manual Z2D or Z2E.  
 s = Certificates 530, 531, 532, 533, 534, 535, 536, 537 or 150.

**Model 26abcdegrstzabzbczfhzlmzpzqzsztv.. 2600T Differential and Absolute Pressure Transmitter.**

XP/I /1 /ABCD / T6 Ta = 75°C; DIP / II,III /1 /EFG/T6Ta=75°C; Type 4X

a = Performance 3 or 5.  
 b = Measure type and construction D, J or V.  
 c = Application C, R or S.  
 d = Upper range limits A, C, F, L, N or R.  
 e = Static pressure range M, Y, C, Z or T.  
 f = Transducer diaphragm and fluid S, K, M, V, T, A, F, C Y or D.  
 g = Flange material and connection A, C, B, D, F, E, G, L, H or P.  
 r = Bolts and gaskets 3, 4, 5 or 6.  
 s = Electronic housings A, B, S, T, J or 1.  
 t = Communication 1, 2, 3, F, H, or P.  
 za = Accessories A1, A2, A3.  
 zb = Bracket B2, B4.  
 zc = Certificates C1, C2, C3, C4, C5, C6, C7 and EB.  
 zf = Flushing ring F1.  
 zh = Material Traceability H1, H2 or H3.  
 zl = LCD L1.  
 zm = Operating manuals M1, M2, M3 or M4.  
 zp = Preparations P1, P2, P3 or P4.  
 zq = Seal side Q1 or Q2.  
 zs = Surge S1.  
 zt = Label and tag language T9.  
 zv = Drain vent valves V1, V2, V3, V3, V4, V5, V6, V7, V8 or V9.

**Model 26abcdfhistzazbzczfzhzlmzpzqzstzv.. 2600T Gage Pressure, level and Absolute Pressure Transmitters.**

XP/I /1 /ABCD / T6 Ta = 75°C; DIP / II,III /1 /EFG/T6 Ta=75°C; Type 4X

- a = Performance 3 or 5.
- b = Measure type and construction A or G.
- c = Application C, R or S.
- d = Upper range limits L, R, U or V.
- e = Static pressure range S.
- f = Transducer diaphragm and fluid S, K, G, N, A, F, E or Z.
- h = Connection material and type B, T, P, V, U, S, E, K, D, Y, R, H or G.
- i = Connection gasket N.
- s = Electronic housings A, B, S, T, J or 1.
- t = Communication 1, 2, 3, F, H, or P.
- za = Accessories A1, A2, A3.
- zb = Bracket B2, B4.
- zc = Certificates C1, C2, C3, C4, C5, C6, C7 and EB.
- zf = Flushing ring F1.
- zh = Material Traceability H1, H2 or H3.
- zl = LCD L1.
- zm = Operating manuals M1, M2, M3 or M4.
- zp = Preparations P1, P2, P3 or P4.
- zq = Seal side Q1 or Q2.
- zs = Surge S1.
- zt = Label and tag language T9.
- zv = Drain vent valves V1, V2, V3, V3, V4, V5, V6, V7, V8 or V9.

**Model 26abcdfgrstzazbzczfzhzlmzpzqzstzv. 2600T Differential Pressure and Temperature Transmitter.**

XP/I /1 /ABCD /T6 Ta = 75°C; DIP / II,III /1 /EFG /T6 Ta=75°C; Type 4X

- a = Performance 7 or 9.
- b = Measure type and construction C
- c = Application C, R or S.
- d = Upper range limits A, C, F, L, N or R.
- e = Static pressure range 1, 2, 3 or 4.
- f = Transducer diaphragm and fluid S, K, M, V, T, A, F, C Y or D.
- g = Flange material and connection A, C, B, D, F, E, G, L, H or P.
- r = Bolts and gaskets 3, 4, 5 or 6.
- s = Electronic housings A, B, S, T, J or 1.
- t = Communication 1, 2, 3, 5, 6, F, H, P, M or N.
- za = Accessories A1, A2, A3.
- zb = Bracket B2, B4.
- zc = Certificates C1, C2, C3, C4, C5, C6, C7 and EB.
- zf = Flushing ring F1.
- zh = Material Traceability H1, H2 or H3.
- zl = LCD L1.
- zm = Operating manuals M1, M2, M3 or M4.
- zp = Preparations P1, P2, P3 or P4.
- zq = Seal side Q1 or Q2.
- zs = Surge S1.
- zt = Label and tag language T9.
- zv = Drain vent valves V1, V2, V3, V3, V4, V5, V6, V7, V8 or V9.

## Equipment Ratings:

All the above listed equipment is approved as Explosionproof for Class I, Division 1, Groups A, B, C and D with a Temperature Code of T6 for an ambient temperature of 75°C and Dust-ignitionproof for Class II, III, Division 1, Groups E, F and G with a Temperature code of T6 for an ambient temperature of 75°C; Hazardous (classified) locations Indoors/outdoors Type 4X.

## Approved for:

ABB Automation Products GmbH  
SchillerstraSSe 72  
D-23425 Minden, Germany



This certifies that the equipment described has been found to comply with the following FM Approval Standards and other documents:

Class 3600	1998
Class 3615	1989
Class 3810	1989
Supplement 1	1995
ANSI/ISA 250	1991

Original Project ID: 3005278

FM Approval Granted: October 2, 2001

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
3015142	August 5, 2002		
040119	February 9, 2004		

FM Global Technologies LLC

David W. Styracula  
Technical Team Manager

2/10/04  
Date