

# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**311Z-a-b-c-d-e-f-g. Pressure Transmitter.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta=80°C - 1C1-76-2; Entity

Entity Parameters:

Vmax = 36 V, Imax = 250 mA, Pmax = 0.9 W, Ci = 3.2 nF, Li = 0

a=Accuracy option A, B, C or D.

b=Pressure range PJ, PL, PN, PP, PQ, PR, PS, PO, PT, PV, PX, PZ, RB, RD, SZ, RE, RF, RH, RJ, RK, RM, RO, RR, RS, RT, RV, RX, RZ, SB, SD, SF, SH, SK, XM, XO, XQ, XS, XU, XW, XY, YA, UJ, UK, UL, UM, UN, UP, UQ, UR, US, UT, UV, UX, UY, UZ, VA, VB, VC, VD, VE, VF, UA, UH, UB, UC, UD, UE, YG, YH, YJ, YK, YL, YM, YN, YO, YP, YR, YS, YT, YU, YV, YW, YX, YY, YZ, TA, TC, JK, TG, TJ, TL, TN, TP, TR or TT.

c=Pressure type 2, 3, 4, 6, 7, 8 or 10.

d=Pressure port AA, FA, FD, FF, FL, FH, FJ, FC, FN, LF, LR, LX, LY, LU, FM, FO, IC, IO, LP, LS, LT, LG, LH, NA, LD, LJ, or M351

e=Connector AA, CM, CA, CS, CC, CN, CB, CG, CP, CD, CQ, CX, CJ, DA, CY, CK, CH, HK, CE, CO, CF, CL, CU, CW, GM or CZ.

f=Sensor and pressure port material GK, GP, GY, HX or JP.

g=General option GC, GE, GG, GL, GA, HE, JY, GB, GJ, GR, HL, JS, JV or GD.

**312Z-a-b-c-d-e-f. Pressure Transmitter.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta=80°C - 1C1-76-2; Entity

Entity Parameters:

Vmax = 36 V, Imax = 250 mA, Pmax = 0.9 W, Ci = 3.2 nF, Li = 0

a=Accuracy option B or C.

b=Pressure range SB, SD, SF, SH, SK, SZ, UA, UH, UB, UC, UD, UE, YY or YZ.

c=Pressure port F-250-C or F-312-C150.

d=Connector AA, CM, CA, CS, CC, CN, CB, CG, CP, CD, CQ, CX, CJ, DA, CY, CK, HK, CE, CO, CF, CU or CZ.

e=Sensor and pressure port material GK.

f=General option GC, GE, GA, HE, JY, GB, GJ, HL, JS or JV.

**314Z-a-b-c-d-e-f. Pressure Transmitter.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta=80°C - 1C1-76-2; Entity

Entity Parameters:

Vmax = 36 V, Imax = 250 mA, Pmax = 0.9 W, Ci = 3.2 nF, Li = 0

a=Accuracy option A, B, C or D.

b=Pressure range PZ, RB, RD, RE, RF, RH, RJ, RK, RM, SZ, RO, RR, RS, RT, RV, RX, RZ, SB, UP, UQ, UR, US, UT, UV, UX, UY, UZ, VA, VB, VC, VD, VE, VF, UA, YH, YJ, YK, YL, YM, YN, YO, YP, YR, YS, YT, YU, YV, YW, YX or YY.

c=Pressure port AA, FA, FD, FF, FL, FH, FJ, FK, FC, FN, LF, LR, FO, LP, LS, LT, LG, LH or NA.

d=Connector AA, CM, CA, CS, CC, CN, CB, CG, CP, CD, CQ, CX, CJ, DA, CY, CK, HK, CE, CO, CF, CU or CZ.

e=Sensor and pressure port material GK, GP, GY, HX or JP.

f=General option GC, GE, GL, GA, HE, JY, GB, GJ, HL, JS, JV, QE or MS.

**315Z-a-b-c-d-e-f. Pressure Transmitter.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta=80°C - 1C1-76-2; Entity

Entity Parameters:

Vmax = 36 V, Imax = 250 mA, Pmax = 0.9 W, Ci = 3.2 nF, Li = 0

a=Accuracy option A, B, C, or D

b=Pressure range PT, PV, PX, PZ, RB, RD, RE, RF, RH, SZ, RJ, RK, RM, RO, RR, RS, RT, RV, RX, XW, XY, YA, UL, UM, UN, UP, UQ, UR, US, UT, UV, UX, UY, UZ, VA, VB, VC, VD, YG, YH, YJ, YK, YL, YM, YN, YO, YP, YR, YS, YT, YU, YV or YW.

c=Pressure port AA, FA, FD, FF, FL, FH, FJ, FK, FC, FN, LF, LR, FO, LP, LS, LT, LG, LH or NA.

d=Connector AA, CM, CA, CS, CC, CN, CB, CG, CP, CD, CQ, CX, CJ, DA, CY, CK, HK, CE, CO, CF, CU or CZ.

e=Sensor and pressure port material GK, GP, GY, HX, JP or HM.

f=General option GC, GE, GL, GB, GJ, HL, JS, JV, GA, HE, JY, MS, QE or GX.

**317Z-a-b-c-d-e-f-g. Pressure Transmitter.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta=80°C - 1C1-76-2; Entity

Entity Parameters:

Vmax = 36 V, Imax = 250 mA, Pmax = 0.9 W, Ci = 3.2 nF, Li = 0

a=Accuracy option A, B or C.

b=Pressure range PV, PX, PZ, RB, RD, RE, RF, RH, RJ, RK, RM, RO, RR, RS, RT, RV, SZ, XY, YA, UN, UP, UQ, UR, US, UT, UV, UX, UY, UZ, VA, VB, VC, YM, YN, YO, YP, YR, YS, YT, YU, YV or YW.

c=Pressure type 2, 3, 4 or 6.

d=Pressure port AA, FJ, FN, LT or LH.

e=Connector AA, CM, CA, CS, CC, CN, CB, CG, CP, CD, CQ, CX, CJ, DA, CY, CK, CH, HK, CE, CO, CF, CL, CU or CZ.

f=Sensor and pressure port material GK, GP, GY, HX, JP or HC.

g=General option GC, GE, GB, GJ, HL, JS, JV, GA, HE, JY, GX, QE or JG.

**33aZ-b-c-d-e-f-g. Pressure Transmitter.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta=80°C - 1C1-76-2; Entity

Entity Parameters:

Vmax = 36 V, Imax = 250 mA, Pmax = 0.9 W, Ci = 3.2 nF, Li = 0

a=Model option 0 or 1.

b=Pressure range PO, PT, PV, PX, PZ, RB, RD, RE, RF, RH, RJ, SZ, RK, RM, RO, RR, RS, RT, RV, RX, RZ, SB, XU, XW, XY, YA, UK, UL, UM, UN, UP, UQ, UR, US, UT, UV, UX, UY, UZ, VA, VB, VC, VD, VE, VF, UA, YK, YL, YM, YN, YO, YP, YR, YS, YT, YU, YV, YW, YX or YY.

c=Pressure type 2, 3, 4 or 6.

d=Pressure port AA, FG, FB, IA, IB, IE, FX or FY.

e=Connector AA, CM, CC, CJ or CF.

f=Sensor and pressure port material GK, GP, GQ or JW.

g=General option GC, GB, GJ, HL, JS, JV, GA, GC, HJ, HD, HU, GO, GN, HT, MU, GQ, JM, JW, HS, HY, HV, GT, MT, GV, GX or QE (HS, HY, HV, GT and MT for Model 331Z only).



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**1171-a-b-c-d-e-f-g. Pressure Transmitter.**

IS / I, II, III / 1 / ABCDEFG / T4 Ta=80°C - 1C1-77-2; Entity

Entity Parameters:

Vmax = 36 V, I<sub>max</sub> = 250 mA, P<sub>max</sub> = 0.9 W, C<sub>i</sub> = 3.2 nF, L<sub>i</sub> = 0

a=Accuracy option C or D.

b=Pressure range PJ, PN, PP, PR, PO, PT, PV, PX, PZ, RB, RD, RE, RF, RH, RJ, SZ, RK, RM, RO, RR, RS, RT, RV, RX, RZ, SB, SD, SF, SH, SK, XM, XO, XQ, XS, XU, XW, XY, YA, UJ, UK, UL, UM, UN, UP, UQ, UR, US, UT, UV, UX, UY, UZ, VA, VB, VC, VD, VE, VF, UA, UH, UB, UC, UD, UE, YG, YH, YJ, YK, YL, YM, YN, YO, YP, YR, YS, YT, YU, YV, YW, YX, YY or YZ.

c=Pressure type 3 or 6.

d=Pressure port FA, FD, FF, FL, FH, FJ, FK, FC, FN, IE, LF, LU, FM, FO, LP, LS, LT, LG, LH, NA, F-250-C or F-312-C150.

e=Connector AA or CZ.

f=Sensor and pressure port material GK, GP, GY, HX or JP.

g=General option GC, GE, GG or GL.

**Equipment Ratings:**

Intrinsically Safe for use in Class I, II and III, Division 1, Groups A, B, C, D, E, F and G, temperature class T4 in accordance with Entity requirements and Control Drawings 1C1-76-2 and 1C1-77-2 Hazardous (Classified) Locations.

**Approved for:**

GP 50 NEW YORK LTD.  
2770 Long Road  
Grand Island, NY 14072



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

Class 3600	1998
Class 3610	1999
Class 3810	1989
Supplement 1	1995

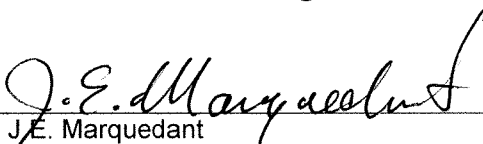
Original Project ID: 307648

FM Approval Granted: March 26, 2001

Subsequent Revision Reports / Date FM Approval Amended

Report Number	Date	Report Number	Date
030428	January 12, 2004		
041005	May 17, 2005		
080321	October 7, 2008		

FM Global Technologies LLC

  
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 J.E. Marquedant  
 Group Manager, Electrical  
 FM Approvals

7 October 2008  
 Date