



Member of the FM Global Group

FM Approvals
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CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

APT3100-abclgjkm. Pressure Transmitters.

APT3100-abcdefgijklm. Pressure Transmitters.

APT3100-abcdefghiklm. Pressure Transmitters.

XP/II/1/ABCD/T6 Ta = 60°C;

DIP/II,III/1/EFG/T6 Ta = 60°C;

NI/II/2/ABCD/T4 Ta = 60°C;

S/III/2/EFG/T4 Ta = 60°C;

S/III/1/T4 Ta = 60°C; Type 4X/IP67.

a = Transmitter Type: D, G, H, LEC, LED, LES, LFC, LFD or LFS.

b = Ranges: 3, 4, 5, 6, 7, 8 or 9.

c = Mounting Flange Size & Material: C1, C2, C4, M11, M12, M13, M14, M21, M22, M23, S2, S3 or S4.

d = Mounting Flange Rating: A1, A2, D1, D2, J1, J2 or XX.

e = Extension Length: 05, 10, 15 or XX.

f = Wetted Parts Material: H, S or X.

g = Fill Fluid: 1, 2, 7 or X.

h = Capillary Length: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 or 12.

i = Material of Construction: CS or SS.

j = Low Side: N, W or X.

k = Electrical Connection: 1.

l = Hazardous Location Certification: F1.

m = Option: BA, BF, C6, CA, CF, K, M1, P, S, TW, MP or ST.

APT3200-abclgjkm. Pressure Transmitters.

APT3200-abcdefgijklm. Pressure Transmitters.

APT3200-abcdefghiklm. Pressure Transmitters.

XP/II/1/ABCD/T6 Ta = 60°C;

DIP/II,III/1/EFG/T6 Ta = 60°C;

NI/II/2/ABCD/T4 Ta = 60°C;

S/III/2/EFG/T4 Ta = 60°C;

S/III/1/T4 Ta = 60°C; Type 4X/IP67.

a = Transmitter Type: D, G, H, LEC, LED, LES, LFC, LFD or LFS.

b = Ranges: 3, 4, 5, 6, 7, 8 or 9.

c = Mounting Flange Size & Material: C1, C2, C4, M11, M12, M13, M14, M21, M22, M23, S2, S3 or S4.

d = Mounting Flange Rating: A1, A2, D1, D2, J1, J2 or XX.

e = Extension Length: 05, 10, 15 or XX.



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- f = Wetted Parts Material: H, S or X.
- g = Fill Fluid: 1, 2, 7 or X.
- h = Capillary Length: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 or 12.
- i = Material of Construction: CS or SS.
- j = Low Side: N, W or X.
- k = Electrical Connection: 1.
- l = Hazardous Location Certification: F1.
- m = Option: BA, BF, C6, CA, CF, K, M1, P, S, TW or ST.

ATT2100-abclgjkm. Temperature Transmitters.

ATT2100-abcdefgijklm. Temperature Transmitters.

ATT2100-abcdefghiklm. Temperature Transmitters.

XP/II/1/ABCD/T6 Ta = 60°C;

DIP/II,III/1/EFG/T6 Ta = 60°C;

NI/II/2/ABCD/T4 Ta = 60°C;

S/II/2/EFG/T4 Ta = 60°C;

S/III/1/T4 Ta = 60°C; Type 4X/IP67.

a = Transmitter Type: D, G, H, LEC, LED, LES, LFC, LFD or LFS.

b = Ranges: 3, 4, 5, 6, 7, 8 or 9.

c = Mounting Flange Size & Material: C1, C2, C4, M11, M12, M13, M14, M21, M22, M23, S2, S3 or S4.

d = Mounting Flange Rating: A1, A2, D1, D2, J1, J2 or XX.

e = Extension Length: 05, 10, 15 or XX.

f = Wetted Parts Material: H, S or X.

g = Fill Fluid: 1, 2, 7 or X.

h = Capillary Length: 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11 or 12.

i = Material of Construction: CS or SS.

j = Low Side: N, W or X.

k = Electrical Connection: 1.

l = Hazardous Location Certification: F1.

m = Option: BA, BF, C6, CA, CF, K, M1, P, S, TW or ST.

Equipment Ratings:

Flameproof for use in Class I, Zone 1, AEx d IIB Hazardous (Classified) Locations, indoor and outdoor use, Type 4X, Temperature Class T6 Ta= -20°C to +60°C

FM Approved for:

Duon Systems Co Ltd.

60-31, Gasan-Dong, Kumchon-Gu, Seoul 153-801, South Korea



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

Class 3600	1998
Class 3611	2004
Class 3615	1989
Class 3810	2005
IEC 60529 + A1	2001
ANSI/NEMA 250	1991

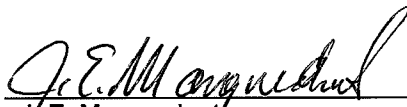
Original Project ID: 3024416

Approval Granted: April 20, 2006

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
3033985	November 5, 2009		
111205	January 18, 2012		

FM Approvals LLC



J. E. Marquedant
Group Manager, Electrical

18 January 2012
Date