



FM Approvals
1151 Boston Providence Turnpike
P.O. Box 9102 Norwood, MA 02062 USA
T: 781 762 4300 F: 781-762-9375 www.fmapprovals.com

Member of the FM Global Group

CERTIFICATE OF COMPLIANCE

HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

Types: (*S *XB *V *AB, *M *XB *V *AB and *MV *XB *V *AB)-abcdefgh. 3D-Level Scanner II.

IS / I, II / 1 / CDEFG / T4 Ta = - 40 °C to +85 °C – PM2000-010; Entity; Type IP6X

a = Mechanical version: "II" indicating mechanical model.

b = Software version: S, M or MV.

c = FM Approval: GX (gas application) or DX (dust application).

d = Horn antenna: B (195 mm; material ALU).

e = Process connection: GD, ND, FD, AD, FE, FF, FD or AE.

f = Electronics version: V (4-20 mA/HART) or (4-wire).

g = Electrical connection: M (Cable gland M20x1.5) or, N (cable gland ½ NPT).

h = Display internal: A (with), B (without, not Ex relevant).

Entity Parameters:

Supplies - Terminals J12.1 (+), J12.2 (GND):

Vmax (Ui) = 24 V, Imax (Ii) = 213 mA, Pmax (Pi) = 3 W, Ci = 4 nF, Li = 250 µH

Interfaces - Terminals J12.4 (4 - 20 mA signal), J12.3 (GND common with J12.2):

Vmax (Ui) = 10.5 V, Imax (Ii) = 106 mA, Pmax (Pi) = 1.1 W, Ci = 8 nF, Li = 0

RS485 - Terminals J13.3 (P), J13.4 (N):

Vmax (Ui) = 5 V, Imax (Ii) = 500 mA, Pmax (Pi) = 625 mW, Ci = 0, Li = 0

Equipment Ratings:

Intrinsically safe (Entity) for use in Class I, II, Division 1, Groups C, D, E, F indoor/outdoor NEMA Type IP6X hazardous (Classified) locations

FM Approved for:

A.P.M. Automation Solutions, Ltd.
Tel-Aviv 69710, Israel



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

Class 3600	1998
Class 3610	2007
Class 3810	2005
NEM - 250	2003

Original Project ID: 3036929

Approval Granted: *November 3, 2009*

Subsequent Revision Reports / Date Approval Amended

Report Number	Date	Report Number	Date
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FM Approvals LLC

J. E. Marquedant
Group Manager, Electrical

3 November 2009
Date