

FM Approvals
1151 Boston Providence Turnpike
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CERTIFICATE OF COMPLIANCE

HAZARDOUS LOCATION ELECTRICAL EQUIPMENT PER CANADIAN REQUIREMENTS

This certificate is issued for the following equipment:

5708 a b c d e f l 5 g h i j k l m n o p q r s t u v. 3DSolids Scanner.

IS / I, II / 1 / CDEFG / T4 Ta = - 40°C to +85°C – 05708-1900; Entity; IP6X

a = Measurement Type: L, V or S.

b = Tank Diameter: C, E or N.

c = Visualization: V, N or X.

d = Housing Material: A or N.

e = Signal Output: B or N.

f = Conduit Thread: 1, 2 or N.

g = Operating Temperature: S or N.

h = Antenna Material: P or N.

l = Antenna O-ring Material: B, S, V, E, K or N.

j = Mounting Plate: Blank, 4DA, 6DA, 8DA, TDA, 4AA, 6AA, 8AA or TAA.

k = Head Mount Adaptor/Extender: Blank, N030, N050, A010, A020, A100, A105, A110, A115, A120, A130, E030, E050, E100, E160 or E300.

l = Display Type: Blank, M2 or M0.

m = Factory Configuration: Blank or C1.

n = Special Quality Assurance: Blank or Q4.

o = Final Test Report: Blank or QXX.

p = Special Certification: Blank or QG.

q = Quality Traceability: Blank or Q8.

r = Safety Certifications: Blank, QS or QT.

s = Diagnostics: Blank, D01, DA1 or DB1.

t = Warranty: Blank, WR2, WR3, WR5 or WR8.

u = Wireless Option: Blank.

v = Special: Blank or RXXXX.

Entity Parameters:

For Electronic Modules with Serial Number 836xxxxxx:

Supplies - Terminals J5.1 (+), J5.2 (GND):

V_{max} (Ui) = 24 V, I_{max} (Ii) = 125 mA, P_{max} (Pi) = 3 W, Ci = 8 nF, Li = 0

Interfaces - Terminals J5.4 (4 - 20 mA signal), J5.3 (GND common with J5.2):

V_{max} (Ui) = 10.5 V, I_{max} (Ii) = 106 mA, P_{max} (Pi) = 1.1 W, Ci = 8 nF, Li = 0

RS485 - Terminals J6.3 (P), J6.4 (N):

V_{max} (Ui) = 6.51 V, I_{max} (Ii) = 651 mA, P_{max} (Pi) = 1.06 W, Ci = 0, Li = 0

Special Condition of Use:

1. The 3DSolids Scanner is only for use with electronics unit marked with serial number 836xxxxxx as these units are for use with the 3DSolids ambient temperature range.

"To verify the availability of the Approved product, please refer to www.approvalguide.com



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- 2. Part of the enclosure is constructed of plastic. To prevent the risk of electrostatic sparking the plastic surface should be cleaned with a damp cloth.*

FM Approved for:
Rosemount Inc.
Chanhassen, Minnesota
USA

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

CAN/CSA C22.2 No. 25	2009
CAN/CSA C22.2 No. 157	2006
CAN/CSA C22.2 No. 1010	2004
CAN/CSA E61241-1-1	2010

Original Project ID: 3052166C

Approval Granted: June 30, 2014

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

30 June 2014
Date

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