

FM Approvals  
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# CERTIFICATE OF COMPLIANCE

## HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT

This certificate is issued for the following equipment:

**5708 a b c d e f I 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.

I = 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<sub>max</sub> (Ui) = 24 V, I<sub>max</sub> (Ii) = 125 mA, P<sub>max</sub> (Pi) = 3 W, Ci = 8 nF, Li = 0

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

V<sub>max</sub> (Ui) = 10.5 V, I<sub>max</sub> (Ii) = 106 mA, P<sub>max</sub> (Pi) = 1.1 W, Ci = 8 nF, Li = 0

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

V<sub>max</sub> (Ui) = 6.51 V, I<sub>max</sub> (Ii) = 651 mA, P<sub>max</sub> (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.



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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

"To verify the availability of the Approved product, please refer to [www.approvalguide.com](http://www.approvalguide.com)



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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	2011
Class 3610	2010
Class 3810	2005
ANSI/IEC 60529	2004

Original Project ID: 3052166

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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