



# Certificate of Compliance

**Certificate:** 70081297

**Master Contract:** 264512

**Project:** 70134983

**Date Issued:** 2017-08-01

**Issued to:** Emerson - Rosemount, Micro Motion Inc.  
12001 Technology Dr.  
Eden Prairie, Minnesota 55344  
USA  
Attention: Sean Welch

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*



**Issued by:** *Adrian Baquiran*  
Adrian Baquiran

## **PRODUCTS**

**CLASS - C2252 86 - PROCESS CONTROL EQUIPMENT-Certified to US Standards**

**CLASS - C2258 02 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations**

**CLASS - C2258 82 - PROCESS CONTROL EQUIPMENT-For Hazardous Locations - Certified to US Standards**

**CLASS - C2252 86 - PROCESS CONTROL EQUIPMENT - Certified to US Standards**

Model 8705 or 8711 Magnetic Flow Tubes, rated 40 Vdc, 0.63A, 20W, 60°C ambient max, with integral or remote mounting to Rosemount 8732EM transmitter when installed per Rosemount Drawing 08732-1051. The 8705 and 8711 flow tubes are suitable for use in ordinary (unclassified) locations indoors and outdoors (Type 4X, IP66 and IP68).



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**CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations**

**Class I, Division 2, Groups A, B, C and D; Class II Groups E, F and G, Class III, Type 4X.**

Model 8711 or Brooks Model 7400 or Model 8705 or Brooks Model 5000 Magnetic Flow Tubes, rated 40 Vdc, 0.63 A, 20W, 60C ambient max. When installed per Rosemount Drawing 08732-1051.

Model 8707 High Signal Magnetic Flow Tube, rated 185V dc, 60Hz, 250W, 60C amb max, Temp Code T3C.

Model 8732C or Brooks Model 3520C Magnetic Flow Tube Transmitters, rated 250 V ac max, 50/60Hz, 1A, 20W and 50V dc, 2.5A, 20W, with integral or remote mounting to Model 8711 or Brooks Model 7400 or Model 8707 or Model 8705 or Brooks Model 5000 Magnetic Flow Tubes, when installed per Rosemount Drawing 08732-1051.

Model 8732EM rated 250 V ac max, 50/60Hz, 0.45A. Ambient Operating Temperature Range:  $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$  with integral or remote mounting to Model 8711 or Model 8705 Magnetic Flow Tubes, when installed per Rosemount Drawing 08732-1051.

Model 8705 or 8711 Magnetic Flow Tubes, rated 40 Vdc, 0.63A, 20W, 60C ambient max, with integral or remote mounting to Rosemount 8732EM transmitter when installed per Rosemount Drawing 08732-1051. The 8705 and 8711 flow tubes are suitable for use in ordinary (unclassified) locations indoors and outdoors (Type 4X, IP66 and IP68).

NOTE: Model 8732C is Brooks Model 3520C.

Model 8705 is Brooks Model 5000.

Model 8711 is Brooks Model 7400.

Note – Transmitters and flow tubes referenced above as per CEC may also be used in and include marking reference to Cl. I, Zone 2, IIC.

**CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - To US Standards**

**Class I, Division 1, Groups C and D; Class I, Division 2, Groups A, B, C and D; Class II Groups E, F and G, Class III, Type 4X.**

Model 8711 or Model 8705 Magnetic Flow Tubes, rated 40 Vdc, 0.63A, 20W, 60°C ambient max. When installed per Rosemount Drawing 08732-2061.

Model 8705 or 8711 Magnetic Flow Tubes, rated 40Vdc, 0.63A, 20W, 60°C ambient max, with integral or remote mounting to Rosemount 8732EM transmitter when installed per Rosemount Drawing 08732-2061. The 8705 and 8711 flow tubes are suitable for use in ordinary (unclassified) locations indoors and outdoors (Type 4X, IP66 and IP68).



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### **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 0-10	- General Requirements - Canadian Electrical Code, Part II
CSA C22.2 No. 25-M1966	- Enclosures for Use in Class II, Groups E, F and G Hazardous Locations
CSA C22.2 No. 94-M1991	- Special Purpose Enclosures
CSA C22.2 No. 142-M1987	- Process Control Equipment
CSA C22.2 No. 213-M1987	- Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations
FM 3600 – 2011	- Electrical Equipment for Use in Hazardous (Classified) Locations – General Requirements
FM 3610 - 2015	- Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II and III, Division 1, Hazardous (Classified) Locations
FM 3611 – 2016	- Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Division 1 and 2 Hazardous (Classified) Locations
FM 3615 - 2006	- Explosionproof Electrical Equipment General Requirements
FM 3810 – 2005	- Electrical Equipment for Measurement, Control and Laboratory Use
UL 508 – 1999	- Industrial Control Equipment

### **MARKINGS**

See CSA Report for Complete Marking Details.



## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
70134983	2017-08-01	Update to report 70081297 to add Class I Division 1 for the US for models 8711 & 8705 based on FM report 1Z0A6.AE using FM standards 3600, 3610, 3611 & 3615 and to update drawings to create alternate model approval codes for marketing purposes.
70081297	2016-07-12	Transfer of CSA Report 1071852 from Master Contract Number 155387 to 264512 under New Report Number 70081297, changes to approval and label drawings to replace Eden Prairie MFG location with Boulder, Colorado and other editorial note changes.