



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 1015765 (LR 44092)

**Master Contract:** 152450

**Project:** 1745648

**Date Issued:** 2006/01/03

**Issued to:** **Micro Motion Incorporated**

**7070 Winchester Cir  
Boulder, CO 80301  
USA**

**Attention: Ray Stengl**

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:** Frank Gessner

**Authorized by:** Patricia Pasemko, Operations Manager

## **PRODUCTS**

**CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - For Hazardous Locations

**CLASS 2258 83** - PROCESS CONTROL EQUIPMENT-Intrinsically Safe and Non-Incendive - Systems-For Hazardous Locations-Certified to U.S. Standards

Class I, Division 1, Groups C and D; Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G

Model D600 Flow meter, rated 85-265Vac, 500mA, 50/60Hz; Associated Equipment, Provides I.S. Outputs for

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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Connection to Various Flow Transmitters as per Installation Instructions CSA-D-IS. Maximum Ambient of 60°C and Maximum Process temperature of 200°C. The Booster Amp is marked with a T6 T-code for Div 1 and a T4 T-Code for Div 2 use. Enclosure Type 4X (Booster Amp and D600 Flow meter)

Note: With Process temperature greater than 60°C but less than or equal to 200°C or Air Ambient of greater than 60°C, the Booster Amp enclosure must be remotely mounted.

Model CMF400 (Booster Amp Version) Flow meter, rated 85-265Vac, 500mA, 50/60Hz; Associated Equipment, Provides I.S. Outputs for Connection to Various Flow Transmitters as per Installation Instructions CSA-D-IS; Maximum Ambient temperature 60°C and Maximum Process temperature of 200°C, T-Code T3. The Booster Amp is marked with a T6 T-code for Div 1 and a T4 T-Code for Div 2 use. Enclosure Type 4X (Booster Amp and CMF 400 Flow meter)

Note: With Process temperature greater than 60°C but less than or equal to 200°C or Air Ambient of greater than 60°C, the Booster Amp enclosure must be remotely mounted.

BOOSTER AMP RETROFIT KIT, for use in Hazardous Locations when used and installed on Micro Motion Mass Flow Sensors Models CMF400M\*\*\* (N or P) \* (1 or 2) or D600S\*\*\*S\* (1 or 2); Rated 85-265Vac, 700mA, 50/60Hz, provides Intrinsically Safe circuits when installed in accordance with Retrofit Booster Amplifier Installation Instructions.

Models CMF200A, B, C or E, CMF300A, B, C or E, CMF400A B, C or E, Flow meters; Provides Intrinsically Safe Connections to Various Flow Transmitters as per Installation Instructions CSA-D-IS.

### **APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No: 0-M91 - General Requirements - Canadian Electrical Code Part II.

CSA Standard C22.2 No: 0.4-04 - Bonding of Electrical Equipment.

CSA Standard C22.2 No: 0.5-1982 - Threaded Conduit Entries.

CSA Standard C22.2 No: 30-M1986 - Explosion-Proof Enclosures for Use in Class I Hazardous Locations.

CSA Standard C22.2 No: 94-M91 - Special Purpose Enclosures.

CSA Standard C22.2 No: 142-M1987 - Process Control Equipment.

CSA Standard C22.2 No: 157-92 - Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.

CSA Standard C22.2 No: 213-M1987 - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations.

UL 50, Eleventh Edition - Enclosures for Electrical Equipment.



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UL 508, Seventeenth Edition - Industrial Control Equipment.

UL 913, Sixth Edition - Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, Hazardous (Classified) Locations.

UL 1203, Third Edition - Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations.

UL 1604, Third Edition - Safety Electrical Equipment for Use in Class I and II, Division 2, and Class III Hazardous (Classified) Locations.