



Certificate of Compliance

Certificate: 1173497 (LR 44092)

Master Contract: 152450

Project: 2333781

Date Issued: August 11, 2010

Issued to: **Micro Motion Incorporated**

7070 Winchester Cir

Boulder, CO 80301

USA

Attention: Ray C. Stengl

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.



Wesley Van Hill

Issued by: Wesley Van Hill, C.E.T.

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations -
Certified to US Standards

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

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

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

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

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

CMF (E) Series Sensors; Maximum Ambient +60°C; Temperature Code T3A; Enclosure Type 3R; Models CMF 010, CMF 025, CMF 050, CMF 100, CMF 200, CMF 300, CMF 400, CMFHC2, CMFHC3 and CMFHC4. Dual Seal, MWP as follows: Model Series CMF010M and CMF010L: 1450 PSI; CMF010H: 2160PSI; CMF010P: 6000PSI; CMF025, CMF050, CMF100, CMF200, CMF300 and CMF400M: 1450 PSI; CMF400P and CMF400H: 2973 PSI; CMFHC2, CMFHC3 and CMFHC4G and M: 1480 PSI; CMFHC3Y: 3000 PSI.



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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 - To US Requirements

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:

CMF (E) Series Sensors; Intrinsically Safe: Maximum Ambient +60°C; Temperature Code T3A; Enclosure Type 3R; Models CMF 010, CMF 025, CMF 050, CMF 100, CMF 200, CMF300, CMF 400, CMFHC2, CMFHC3 and CMFHC4. Sensors are intrinsically safe when connected per installation instructions Type CSA-D-IS. Dual Seal, MWP as follows: Model Series CMF010M and CMF010L: 1450 PSI; CMF010H: 2160PSI; CMF010P: 6000PSI; CMF025, CMF050, CMF100, CMF200, CMF300 and CMF400M: 1450 PSI; CMF400P and CMF400H: 2973 PSI; CMFHC2, CMFHC3 and CMFHC4G and M: 1480 PSI; CMFHC3Y: 3000 PSI.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No 0-M1991 - General Requirements - Canadian Electrical Code Part II

CSA Standard C22.2 No 25-M1966 - Enclosures for Use in Class II Groups E, F and G Hazardous Locations

CSA Standard C22.2 No 94-M1991 - Special Purpose Enclosures

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

CSA Standard C22.2 No 157-M1992 - 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

ANSI/ISA 12.27.01-2003 - Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids.

UL 50, Eleventh Edition - Enclosures for Electrical Equipment

UL 508, Seventeenth Edition - Industrial Control Equipment

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

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

ANSI/ISA-12.12.01-2007 - Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations



Supplement to Certificate of Compliance

Certificate: 1173497

Master Contract: 152450

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

Product Certification History

Project	Date	Description
2333781	August 11, 2010	Update of report 1173497 to add Splined J-Box version as new J-Box previously evaluated under 168586, 1680247 and 2073205
2258320	May 5, 2010	Update of report 1173497 to include information per the Primay Seal Burst Pressure Testing conducted under update of report 1015765 (Project 2258798).
2243027	November 24, 2009	Update of report 1173497 to include alternate model number (CMFHC4) for CMFHC3.
2153932	May 12, 2009	Update report 1173497 to include Dual Seal testing and evaluation to ANSI/ISA 12.27.01-2003 for the model series CMFHC2 as per testing conducted under project 152450-2155186.
2110958	November 26, 2008	Update of report 1173497 to Remove CMF800 & CMFXL3, add CMFHC2 (Same as CMFHC3)
1954961	November 2, 2007	Update report 1173497 to include new models of sensors
1919215	September 12, 2007	Witness testing of Primary seal burst & leak tests and Secondary seal burst tests on CMF Series Sensors
1899117	September 12, 2007	Update report 1173497 to include testing of the CMF Series Sensors to ANSI/ISA 12.27.01.
1723454	October 17, 2005	Update report 1173497 to include new drawings showing connection to 24** transmitters
1670422	May 11, 2005	Update to Certificate 1173497 to include revised sensor approval drawings.
1631585	February 10, 2005	Update to Report 1173497 to include minor revisions to PO Coil Drawings.
1612336	November 17, 2004	Update Report 1173497 to Include Additional Coils and New Feedthrough

History

1173497- April 30, 2001 - Move existing certification of CMF (E) sensors from certificates #1010411 (LR 44092-111 Ed. 6) and #1116703 (LR 44092-61 Ed. 25) to this certificate. Addition of Certification to US Requirements.

1232349 - August 30, 2001 - Update file drawings for revised Heat Extender Length

1297274 - February 28, 2002 - Update file to include CMF 400

1321153 - June 15, 2002 - Update to include revised ambient temperature marking

1333370 - June 28, 2002 - Update to include alternate drive and pickoff coils for Gas measurement

1405115 - February 11, 2003 - Update to include alternate construction with revised Figures