



# Certificate of Compliance

**Certificate:** 2136049 (LR 44092)

**Master Contract:** 152450

**Project:** 2731940

**Date Issued:** July 25, 2014

**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.*



*Nicholas Cameron*

**Issued by:** Nicholas Cameron

## **PRODUCTS**

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

**CLASS 2258 03** - PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non - Incendive Systems - 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 02 - PROCESS CONTROL EQUIPMENT** - For Hazardous Locations

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

**Class I, Zone 2, Group IIC**

CMFS Series Sensors; Maximum Ambient +60°C; Temperature Code T6; Enclosure Type 3R

Models CMFS 007, CMFS 010, CMFS 015, CMFS 025, CMFS 040, CMFS 050, CMFS 075, CMFS 100 and CMFS 150. Dual Seal, Model Series CMFS007(F,K,M, and S): MWP 1813 PSI; CMFS010(F,K,M, and S) and CMFS015(F,K,M, and S): MWP 1813 PSI; CMFS007H & P, CMFS010H & P, CMFS015H & P: MWP 6000



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PSI; CMFS025(F,K,M, and S); MWP 1830 PSI, CMFS040(F,K,M, and S); MWP 2242 PSI, CMFS050(F,K,M, and S); MWP 1836 PSI, CMFS075(F,K,M, and S); MWP 1939 PSI, CMFS100(F,K,M, and S); MWP 1709 PSI, CMFS150(F,K,M, and S); MWP 1830 PSI, CDM100(F,K,M, and S); MWP 1709 PSI. CMFS025H and P, CMFS050H and P, CMFS100H and P, CMFS150H and P, and CDM100H and P; MWP 3600 PSI.

**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**

**Class I, Zone 2, Group IIC; Class II, Zone 21**

CMFS Series Sensors; Maximum Ambient +60°C; Temperature Code T6; Enclosure Type 3R

Models CMFS 007, CMFS 010, CMFS 015, CMFS 025, CMFS 040, CMFS 050, CMFS 075, CMFS 100 and CMFS 150. Dual Seal, Model Series CMFS007(F,K,M, and S): MWP 1813 PSI; CMFS010(F,K,M, and S) and CMFS015(F,K,M, and S): MWP 1813 PSI; CMFS007H & P, CMFS010H & P, CMFS015H & P: MWP 6000 PSI; CMFS025(F,K,M, and S); MWP 1830 PSI, CMFS040(F,K,M, and S); MWP 2242 PSI, CMFS050(F,K,M, and S); MWP 1836 PSI, CMFS075(F,K,M, and S); MWP 1939 PSI, CMFS100(F,K,M, and S); MWP 1709 PSI, CMFS150(F,K,M, and S); MWP 1830 PSI, CDM100(F,K,M, and S): MWP 1709 PSI. CMFS025H and P, CMFS050H and P, CMFS100H and P, CMFS150H and P, and CDM100H and P; MWP 3600 PSI.

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

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

**Class I, Zone 1, Group IIB; Class I, Zone 2, Group IIC**

CMFS Series Sensors; Intrinsically Safe: Maximum Ambient +60°C; Temperature Code T3A; Enclosure Type 3R;

Models CMFS 007, CMFS 010, CMFS 015, CMFS 025, CMFS 040, CMFS 050, CMFS 075, CMFS 100 and CMFS 150. Dual Seal, Model Series CMFS007(F,K,M, and S): MWP 1813 PSI; CMFS010(F,K,M, and S) and CMFS015(F,K,M, and S): MWP 1813 PSI; CMFS007H & P, CMFS010H & P, CMFS015H & P: MWP 6000 PSI; CMFS025(F,K,M, and S); MWP 1830 PSI, CMFS040(F,K,M, and S); MWP 2242 PSI, CMFS050(F,K,M, and S); MWP 1836 PSI, CMFS075(F,K,M, and S); MWP 1939 PSI, CMFS100(F,K,M, and S); MWP 1709 PSI, CMFS150(F,K,M, and S); MWP 1830 PSI, CDM100(F,K,M, and S): MWP 1709 PSI. CMFS025H and P, CMFS050H and P, CMFS100H and P, CMFS150H and P, and CDM100H and P; MWP 3600 PSI.



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Sensors are intrinsically safe when connected per installation instructions Type CSA-D-IS.

**CLASS 2258 83 - PROCESS CONTROL EQUIPMENT** - Intrinsically Safe and Non-Incendive Systems – For Hazardous Locations - To US Requirements

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

**Class I, Zone 1, Group IIB; Class I, Zone 2, Group IIC; Class II, Zone 2I**

CMFS Series Sensors; Intrinsically Safe: Maximum Ambient +60°C; Temperature Code T3A; Enclosure Type 3R;

Models CMFS 007, CMFS 010, CMFS 015, CMFS 025, CMFS 040, CMFS 050, CMFS 075, CMFS 100 and CMFS 150. Dual Seal, Model Series CMFS007(F,K,M, and S): MWP 1813 PSI; CMFS010(F,K,M, and S) and CMFS015(F,K,M, and S): MWP 1813 PSI; CMFS007H & P, CMFS010H & P, CMFS015H & P: MWP 6000 PSI; CMFS025(F,K,M, and S); MWP 1830 PSI, CMFS040(F,K,M, and S); MWP 2242 PSI, CMFS050(F,K,M, and S); MWP 1836 PSI, CMFS075(F,K,M, and S); MWP 1939 PSI, CMFS100(F,K,M, and S); MWP 1709 PSI, CMFS150(F,K,M, and S); MWP 1830 PSI, CDM100(F,K,M, and S): MWP 1709 PSI. CMFS025H and P, CMFS050H and P, CMFS100H and P, CMFS150H and P, and CDM100H and P; MWP 3600 PSI.

Sensors are intrinsically safe when connected per installation instructions Type CSA-D-IS.

### **APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No 0-10 – General Requirements - Canadian Electrical Code Part II.

CSA Standard C22.2 No 25-M1966 (R2009) – Enclosures for Use in Class II Groups E, F and G Hazardous Locations.

CSA Standard C22.2 No 94-M1991 (R2011) – Special Purpose Enclosures.

CSA Standard C22.2 No 142-M1987 (R2009) – Process Control Equipment.

CSA Standard C22.2 No 157-M1992 (R2012) – Intrinsically Safe and Non-Incendive Equipment for Use in Hazardous Locations.

CSA Standard C22.2 No 213-M1987 (R2013) – 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, Eighth 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-12.12.01-2013 – Non-Incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations.

ANSI/ISA-12.27.01-2011 – Requirements for Process Sealing Between Electrical Systems and Flammable or Combustible Process Fluids.



## *Supplement to Certificate of Compliance*

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**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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
2731940	Jul 25, 2014	Update of Report 2136049 to include alternate material designations for Dual Seal certification.
2668081	Nov 8, 2013	Update of Report 2136049 to include Adhesive Label Testing on Stainless Steel Approval Tag as well as drawing updates to include minor construction changes.
2629169	May 23, 2013	Update of Report 2136049 to include Class I, Zone 2 markings.
2620495	Apr 25, 2013	Update of Report 2136049 to include the addition of Model CMFS025H based on the requirements of ANSI/ISA-12.27.01-2011 per Clause 5.3.1 and 5.3.2 the Leakage and Burst testing.
2606914	Mar 21, 2013	Update of Report 2136049 to include new sensor models (CMFS025H, CMFS050H, CMFS100H, and CMFS150H) for Dual Seal Certification to ANSI/ISA-12.27.01-2011 per Clause 5.3.1 and 5.3.2 the Leakage and Burst testing.
2570841	Jan 14, 2013	Update to report 2136049 to include several new sensor models and revise T-Code for Division 2 equipment to T6 based on 152450-2539512.
2346268	Sep 13, 2010	Update of report 2136049 to CMFS sensors to include revised assembly drawing
2308341	May 17, 2010	Update of report 2136049 to include alternate Adhesive Label
2136049	May 17, 2009	Initial evaluation of CMFS Series of sensors as I.S for use in Class I,II, Division 1, Groups C, D, E, F and G and suitability for Class I, Division 2, Groups A, B, C, D; electrically identical to F Series evaluated in CSA report 1173493; Dual Seal.