



# Certificate of Compliance

**Certificate:** 1167625 (LR 44092)

**Master Contract:** 152450

**Project:** 2689424

**Date Issued:** March 27, 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.*



*David Wood*

**Issued by:** David Wood

## **PRODUCTS**

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

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

**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

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

**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:**

R Series Sensors; Maximum Ambient +60°C; Temperature Code T3A. Models R025: MWP 2320 PSI; R050: MWP 1500 PSI; R100 and R200: MWP 1450 PSI; Dual Seal.

CNG Series Sensors; Maximum Ambient +60°C; Temperature Code T3A. Models CNG 050: MWP 5000 PSI; Dual Seal.



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

**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:**

**R Series Sensors;** Intrinsically Safe: Ambient of -40 to +60°C; Temperature Code T3A. Models R025: MWP 2320 PSI; R050: MWP 1500 PSI; R100 and R200: MWP 1450 PSI; Dual Seal. Sensors are intrinsically safe when connected per installation instructions Type CSA-D-IS.

CNG Series Sensors; Intrinsically Safe: Ambient of -40 to +60°C; Temperature Code T3A. Model CNG 050: MWP 5000 PSI; Dual Seal. Sensor is intrinsically safe when connected per installation instructions Type CSA-D-IS.

#### **APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No 0 M10 - 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, Div 2 Hazardous Locations.

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.

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

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



## *Supplement to Certificate of Compliance*

**Certificate:** 1167625

**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>
2689424	Mar 27, 2014	(EDM350: 1of1: CSA) Possible update to report 1167625 to include alternate adhesive epoxy for affixing SS metal labels onto the R/CNG050 sensors painted enclosure surface; based on testing conducted under project 152450-2668081.
2223395	Oct 14, 2009	Update report 1167625 for R Series to include Dual Seal Marking; Evaluation and Testing as per Witness testing performed under project 152450-2207573.
1742183	Jan 11, 2006	Update file to include alternate Drive and PO Coils for R025, R050 / CNG050 and R100. Update to include alternate Feed-thru. Corrected Marking Items 9 & 10

### **History**

1167625	2001/04/30	Move existing certification of R sensors from certificate #1010411(LR 44092-111-6) to this certificate and add alternate construction addition of CNG50 Sensor.
1229018	2001/08/30	Addition of certification to US Requirements
1305543	2002/04/19	Update file drawings for alternate construction
1322259	2002/06/15	Update to include revised ambient temperature marking.
1380823	2002/11/28	Update to file to remove references to Heraeus RTD
1512064	2004/01/21	Update to file to include alternate R200 Pick off coil.