



# Certificate of Compliance

<b>Certificate:</b>	70183767	<b>Master Contract:</b>	152450
<b>Project:</b>	80246069	<b>Date Issued:</b>	2025-09-23
<b>Issued to:</b>	<b>Micro Motion Incorporated</b> 7070 Winchester Cir Boulder, Colorado 80301 United States	<b>Issued by:</b>	<i>Ashutosh Bandekar</i> Ashutosh Bandekar

**Attention:** Mike Row

*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.*



## **PRODUCTS**

Class 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations  
Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations  
Class 2258 82 PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards  
Class 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations  
CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards

For Canada:

- Class I, Div 1, Groups C and D T6
- Class I, Div 2, Groups A, B, C and D T6
- Class II, Div 1, Groups E, F, G T6
- Ex db [ja Ga] IIB T6 Gb



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- Ex db [ia Ga] IIC T6 Gb
- Ex db eb [ia Ga] IIB T6 Gb
- Ex db eb [ia Ga] IIC T6 Gb
- Ex ec [ia Ga] IIC T6 Gc
- Ex tb [ia Da] IIIC T72°C Db

For U.S. :

- Class I, Div 1, Groups C and D T6
- Class I, Div 2, Groups A, B, C and D T6
- Class II, Div 1, Groups E, F, G T6
- Class I, Zone 1, AEx db [ia Ga] IIB T6 Gb
- Class I, Zone 1, AEx db [ia Ga] IIC T6 Gb
- Class I, Zone 1, AEx db eb [ia Ga] IIB T6 Gb
- Class I, Zone 1, AEx db eb [ia Ga] IIC T6 Gb
- Class I, Zone 2, AEx ec [ia Ga] IIC T6 Gc
- Zone 21, AEx tb [ia Da] IIIC T72°C Db

Field Mount Loop Power Transmitter, Series 4200  
CHA/CHB Rated: 18Vdc - 30Vdc max., 22mA max.  
Enclosure: Type 4X, IP66/IP67  
Ambient Temperature Rating:  
Aluminum: -52°C to 65°C  
Stainless-Steel: -60°C to 60°C

Notes:

1. The above model is permanently connected, Equipment Class III, Pollution Degree 4, Overvoltage Category I.
2. Mode of operation: Continuous
3. Environmental Conditions: Aluminum: -52°C to 65°C, Stainless-Steel: -60°C to 60°, 2000 m max, 5% to 95% RH, non-condensing

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity – For Hazardous Locations

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations -

Certified to US Standards

For Canada:

- Class I, Div 1, Groups A, B, C and D T4A Ex ia
- Class I, Div 2, Groups A, B, C and D T6
- Class II, Div 1, Groups E, F, G T77°C
- Ex ia IIB T4 Gb
- Ex ia IIB T4 Ga
- Ex ia IIC T4 Gb
- Ex ia IIC T4 Ga
- Ex ia IIIB T77°C Db
- Ex ia IIIB T77°C Da
- Ex ia IIIC T77°C Db



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- Ex ia IIIC T77°C Da

For U.S. :

- Class I, Div 1, Groups A, B, C and D T4A Ex ia
- Class I, Div 2, Groups A, B, C and D T6
- Class II, Div 1, Groups E, F, G T77°C
- Class I, Zone 0, AEx ia IIB T4 Ga
- Class I, Zone 0, AEx ia IIC T4 Ga
- Class I, Zone 1, AEx ia IIB T4 Gb
- Class I, Zone 1, AEx ia IIC T4 Gb
- Zone 20, AEx ia IIIB T77°C Da
- Zone 20, AEx ia IIIC T77°C Da
- Zone 21, AEx ia IIIB T77°C Db
- Zone 21, AEx ia IIIC T77°C Db

Field Mount Loop Power Transmitter, Series 4200

CHA/CHB Rated: 18Vdc - 30Vdc max., 22mA max.

Enclosure: Type 4X, IP66/IP67

Operating temperature range: -40°C to +65°C Aluminum: -52°C to 65°C, Stainless-Steel: -60°C to 60°C

Notes:

1. The above model is permanently connected, Equipment Class III, Pollution Degree 4, Overvoltage Category I.
2. Mode of operation: Continuous
3. Environmental Conditions: Aluminum: -52°C to 65°C, Stainless-Steel: -60°C to 60°C, 2000 m max, 5% to 95% RH, non-condensing

Model(s)	Input Voltage	Input Current (mA)	Ambient Temp. Range (°C)	Enclosure IP/Type Rating
4200 Series	18Vdc - 30Vdc max	22mA max	Aluminum: -52°C to 65°C / Stainless-Steel: -60°C to 60°C	Type 4X, IP66/IP67

Notes:

1. The above model is permanently connected, Equipment Class III, Pollution Degree 4, Overvoltage Category I.
2. Mode of operation: Continuous
3. Environmental Conditions: Aluminum: -52°C to 65°C, Stainless-Steel: -60°C to 60°C, 2000 m max, 5% to 95% RH, non-condensing

Model Code	Marking
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Model Code	Marking
<b>4200</b> abcdeAAghijlmnn	Class I, Div 1, Groups C and D T6 Class I, Div 2, Groups A, B, C and D T6 Class II, Div 1, Groups E, F, G T6 Or AEx/Ex db [ia Ga] IIB T6 Gb AEx/Ex db [ia Ga] IIC T6 Gb AEx/Ex db eb [ia Ga] IIB T6 Gb AEx/Ex db eb [ia Ga] IIC T6 Gb AEx/Ex ec [ia Ga] IIC T6 Gc AEx/Ex tb [ia Da] IIIC T72°C Db IP66/IP67
<b>4200</b> abcdeABghijlmnn	Class I, Div 1, Groups A, B, C and D T4A Class I, Div 2, Groups A, B, C and D T6 Class II, Div 1, Groups E, F, G T6 Or AEx/Ex ia IIB T4 Gb AEx/Ex ia IIB T4 Ga AEx/Ex ia IIC T4 Gb AEx/Ex ia IIC T4 Ga AEx/Ex ia IIIB T77°C Db AEx/Ex ia IIIB T77°C Da AEx/Ex ia IIIC T77°C Db AEx/Ex ia IIIC T77°C Da AEx/Ex ec [ia Ga] IIC T6 Gc AEx/Ex tb [ia Da] IIIC T77°C Db IP66/IP67
<b>4200</b> JbcdeABghijlmnn <b>4200</b> PbcdeABghijlmnn	Class I, Div 1, Groups A, B, C and D T4A Class I, Div 2, Groups A, B, C and D T6 Class II, Div 1, Groups E, F, G T6 Or AEx/Ex ia IIB T4 Gb AEx/Ex ia IIB T4 Ga AEx/Ex ia IIC T4 Gb AEx/Ex ia IIC T4 Ga AEx/Ex ia IIIB T77°C Db AEx/Ex ia IIIB T77°C Da AEx/Ex ia IIIC T77°C Db AEx/Ex ia IIIC T77°C Da AEx/Ex tb [ia Da] IIIC T77°C Db IP66/IP67
<b>4200</b> abcde2Aghijlmnn	Class I, Div 2, Groups A, B, C and D T6 Class II, Div 2, Groups F, G T72°C Or AEx/Ex ec [ia Ga] IIC T6 Gc AEx/Ex tc [ia Da] IIIC T72°C Dc IP66/IP67



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**4200 Series Model Code Nomenclature:**

**4200abcdefghijklmn**

**a. Mounting**

- I = Integral Mount AL
- J = Integral Mount SST
- R = 4-wire remote mount transmitter AL
- M = 4-wire remote mount transmitter SST
- C = 9-wire remote mount transmitter AL
- P = 9-wire remote mount transmitter SST
- S = Integral Mount AL for retrofit

**b. Power**

- 1 = 18 to 100 VDC and 85 to 265 VAC; self-switching

**c. Display Options**

- 2 = Backlit dual line Display
- 3 = No Display

**d. Output Options**

- A = Configurable Outputs
- C = Ethernet Outputs
- D = IS I/O
- E = IS Foundation Fieldbus H1
- N = Non-IS Foundation Fieldbus H1

**e. Conduit Connections**

- (B, C, D) = 1/2" NPT
- (E, F, G) = M20

**(ff) Approval**

- AA = Class I Div 1 Ex Proof
- AB = Class I Div 1 IS
- 2A = Class I Div 2

**(g, h, i, j, k, l, m, nn) No Influence on Method of Protection**

Input Entity Parameters:

Parameters	Series 4200	
	gas application	dust application
Terminals	4-20mA Hart Loop Connections (CH A, CH B)	4-20mA Hart Loop Connections (CH A, CH B)
Voltage $V_{max}/U_i$	DC 30 V	DC 30 V
Current $I_{max}/I_i$	300mA	300mA
Power $P_i$	1.0W	1.0W
Effective internal capacitance $C_i$	1320pF	1320pF
Effective internal inductance $L_i$	2.86uH	2.86uH



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Output Entity Parameters, Group IIC:

Parameters	Series 4200	
	gas application	dust application
Terminals	Drive +, Drive -	Drive +, Drive -
$U_o$	6.51V	6.51V
$I_o$	1.52A Instantaneous 0.136A Steady State	1.52A Instantaneous 0.136A Steady State
$P_o$	0.81W	0.81W
$C_o$	22 $\mu$ F	22 $\mu$ F
$L_o$	15.4 $\mu$ H	15.4 $\mu$ H
$L_o/R_o$	14.4 $\mu$ H/ $\Omega$	14.4 $\mu$ H/ $\Omega$

Output Entity Parameters, Group IIB:

Parameters	Series 4200	
	gas application	dust application
Terminals	Drive +, Drive -	Drive +, Drive -
$U_o$	6.51V	6.51V
$I_o$	1.52A Instantaneous 0.136A Steady State	1.52A Instantaneous 0.136A Steady State
$P_o$	0.81W	0.81W
$C_o$	500 $\mu$ F	500 $\mu$ F
$L_o$	61.6 $\mu$ H	61.6 $\mu$ H
$L_o/R_o$	57.5 $\mu$ H/ $\Omega$	57.5 $\mu$ H/ $\Omega$

Output Entity Parameters, Group IIC:

Parameters	Series 4200	
	gas application	dust application
Terminals	Pick Off's (RPO-), (RPO+), (LPO-), (LPO+)	Pick Off's (RPO-), (RPO+), (LPO-), (LPO+)
$U_o$	6.51V	6.51V
$I_o$	2.63mA	2.63mA
$P_o$	4.3mW	4.3mW
$C_o$	22 $\mu$ F	22 $\mu$ F
$L_o$	5.1H	5.1H
$L_o/R_o$	8.3mH/ $\Omega$	8.3mH/ $\Omega$

Output Entity Parameters, Group IIB:

Parameters	Series 4200	
	gas application	dust application
Terminals	Pick Off's (RPO-), (RPO+), (LPO-), (LPO+)	Pick Off's (RPO-), (RPO+), (LPO-), (LPO+)



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U <sub>o</sub>	6.51V	6.51V
I <sub>o</sub>	2.63mA	2.63mA
P <sub>o</sub>	4.3mW	4.3mW
C <sub>o</sub>	500μF	500μF
L <sub>o</sub>	20.5H	20.5H
L <sub>o</sub> /R <sub>o</sub>	33.2mH/Ω	33.2mH/Ω

Output Entity Parameters, Group IIC:

Parameters	Series 4200	
	gas application	dust application
Terminals	J6 Pins 1(RTD_SNS),2(RTD_LO),9(RTD_HI)	J6 Pins 1(RTD_SNS),2(RTD_LO),9(RTD_HI)
U <sub>o</sub>	6.51V	6.51V
I <sub>o</sub>	12.3mA	12.3mA
P <sub>o</sub>	20mW	20mW
C <sub>o</sub>	22μF	22μF
L <sub>o</sub>	235mH	235mH
L <sub>o</sub> /R <sub>o</sub>	1.78mH/Ω	1.78mH/Ω

Output Entity Parameters, Group IIB:

Parameters	Series 4200	
	gas application	dust application
Terminals	J6 Pins 1(RTD_SNS),2(RTD_LO),9(RTD_HI)	J6 Pins 1(RTD_SNS),2(RTD_LO),9(RTD_HI)
U <sub>o</sub>	6.51V	6.51V
I <sub>o</sub>	12.3mA	12.3mA
P <sub>o</sub>	20mW	20mW
C <sub>o</sub>	500μF	500μF
L <sub>o</sub>	940mH	940mH
L <sub>o</sub> /R <sub>o</sub>	7.1mH/Ω	7.1mH/Ω

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT – For Hazardous Locations

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

CLASS 2258 04 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations - Certified to US Standards

4700- with CNFG:

Class I, Division 1, Groups C, D T6

Class I, Division 2, Groups A, B, C, D T4

Class II, Division 1, Groups E, F, G T6

Class I, Zone 1, Ex db [ia Ga IIC] IIB+H2 T6 Gb

Class I, Zone 1, Ex db [ia Ga] IIC T6 Gb

Class I, Zone 1, Ex db eb [ia Ga IIC] IIB+H2 T6 Gb



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Class I, Zone 1, Ex db eb [ia Ga IIC] IIB+H2 T6 Gb  
 Class I Zone 1, Ex db eb [ia Ga] IIC T6 Gb  
 Class I Zone 2, Ex ec [ia Ga] IIC T4 Gc  
 Zone 21, AEx tb [ia Da] IIIC T80°C Db  
 Zone 21, AEx tb [ia Da] IIIC T80°C Db  
 Zone 22, AEx tc [ia Da] IIIC T80°C Dc

4700 ISIO:

Class I, Division 1, Groups C, D T6  
 Class I, Division 2, Groups A, B, C, D T4  
 Class II, Division 1, Groups E, F, G T6  
 Class I, Zone 1, Ex db ia[ia Ga IIC] IIB+H2 T6 Gb  
 Class I, Zone 1, Ex db ia[ia Ga] IIC T6 Gb  
 Class I, Zone 1, Ex db eb ia [ia Ga IIC] IIB+H2 T6 Gb  
 Class I, Zone 1, Ex db eb ia [ia Ga IIC] IIB+H2 T6 Gb  
 Class I Zone 1, Ex db eb ia [ia Ga] IIC T6 Gb  
 Class I Zone 2, Ex ec ia [ia Ga] IIC T4 Gc  
 Zone 21, AEx tb ia [ia Da] IIIC T80°C Db  
 Zone 21, AEx tb ia [ia Da] IIIC T80°C Db  
 Zone 22, AEx tc ia [ia Da] IIIC T80°C Dc

Field Mount Loop Power Transmitter, Series 4700

CHA/CHB Rated: 18Vdc - 30Vdc max.,

Enclosure: Type 4X, IP66/IP67

Ambient Temperature Rating:

Aluminum: -52°C to 65°C

Stainless-Steel: -60°C to 60°C

Model(s)	Input Voltage	Input Voltage (VDC)	Ambient Temp. Range (°C)	Enclosure IP/Type Rating
4700 Series	18Vdc - 30Vdc max	18Vdc - 30Vdc max	Aluminum: -52°C to 65°C / Stainless-Steel: -60°C to 60°C	Type 4X, IP66/IP67

**Notes:**

1. The above model is permanently connected, Equipment Class III, Pollution Degree 4, Overvoltage Category I.
2. Mode of operation: Continuous
3. Environmental Conditions: Aluminum: -52°C to 65°C, Stainless-Steel: -60°C to 60°C, 3000 m max, 5% to 95% RH, non-condensing

Model Code	Marking



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4700abcdeffghijlmnn	Explosion Proof with I.S. output to sensor for Class I, Div 1, Groups C, D Class I, Div 2, Groups A, B, C, D Class II, Div. 1, Groups E, F, G
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**4700 Series Model Code Nomenclature:**

**4700abcdeffghijlmnn**

**a. Mounting**

- I = Integral Mount AL
- J = Integral Mount SST
- R = 4-wire remote mount transmitter AL
- M = 4-wire remote mount transmitter SST
- C = 9-wire remote mount transmitter AL
- P = 9-wire remote mount transmitter SST
- S = Integral Mount AL for retrofit

**b. Power**

- 1 = 18 to 100 VDC and 85 to 265 VAC; self-switching

**c. Display Options**

- 2 = Backlit dual line Display
- 3 = No Display
- R = Backlit graphic display with Bluetooth

**d. Output Options**

- A = Configurable Outputs
- C = Ethernet Outputs
- D = IS I/O
- E = IS Foundation Fieldbus H1
- N = Non-IS Foundation Fieldbus H1

**e. Conduit Connections**

- (B, C, D) = 1/2" NPT
- (E, F, G) = M20

**(ff) Approval**

- AA = Class I Div 1 Ex Proof
- AB = Class I Div 1 IS
- 2A = Class I Div 2

**(g, h, i, j, k, l, m, nn) No Influence on Method of Protection**

**Parameters for 4 Wire configurations:**

**Gas Group Classification IIB:**

Parameters	Series 4700
U <sub>o</sub>	17.2V



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Parameters	Series 4700
I <sub>o</sub>	0.479A Instantaneous 0.272A Steady State
P <sub>o</sub>	2.06W
C <sub>o</sub>	2.04μF
L <sub>o</sub>	619.8μH
L <sub>o</sub> /R <sub>o</sub>	69.0μH/Ω

Gas Group Classification IIC:

Parameters	Series 4700
U <sub>o</sub>	17.2V
I <sub>o</sub>	0.479A Instantaneous 0.272A Steady State
P <sub>o</sub>	2.06W
C <sub>o</sub>	0.333μF
L <sub>o</sub>	154.9μH
L <sub>o</sub> /R <sub>o</sub>	17.26 μH/Ω

**Parameters for 9 Wire Configurations:**

**Drive:**

Gas Group Classification IIC

Parameters for (DRIVE+) and (DRIVE-)	
Parameter	Value
U <sub>o</sub>	10.5V
I <sub>o</sub>	1.06A Instantaneous 0.213A Steady State
P <sub>o</sub>	1.79W
C <sub>o</sub>	2.41μF
L <sub>o</sub>	31.6μH
L <sub>o</sub> /R <sub>o</sub>	12.77μH/Ω

Gas Group Classification IIB:

Parameters for (DRIVE+) and (DRIVE-)	
Parameter	Value
U <sub>o</sub>	10.5V
I <sub>o</sub>	1.06A Instantaneous 0.213A Steady State
P <sub>o</sub>	1.79W
C <sub>o</sub>	16.8μF
L <sub>o</sub>	126.6μH
L <sub>o</sub> /R <sub>o</sub>	51.1μH/Ω



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**Pick-offs**

Signals from a Micro Motion Coriolis Sensor are inputs to the core and are called pick-offs. They are protected by resistive current limiting.

Gas Group Classification IIC:

9. Parameters for (RPO-), (RPO+), (LPO-), (LPO+)	
9. Parameter	9. Value
9. U <sub>o</sub>	21.0V
9. I <sub>o</sub>	9. 2.10mA
9. P <sub>o</sub>	9. 11.0mW
9. C <sub>o</sub>	9. 0.188μF
9. L <sub>o</sub>	9. 8.06H
9. L <sub>o</sub> /R <sub>o</sub>	9. 3.22mH/Ω

Gas Group Classification IIB:

9. Parameters for (RPO-), (RPO+), (LPO-), (LPO+)	
9. Parameter	9. Value
9. U <sub>o</sub>	21.0V
9. I <sub>o</sub>	9. 2.10mA
9. P <sub>o</sub>	9. 11.0mW
9. C <sub>o</sub>	9. 1.27μF
9. L <sub>o</sub>	9. 32.2H
9. L <sub>o</sub> /R <sub>o</sub>	9. 12.9mH/Ω

**RTD**

$R_{19} || R_{20} || R_{21} || R_{22} + R_{23} || R_{25} || R_{26} = 1.65K + 1.98K = 3.63K$  including tolerance

Gas Group Classification IIC:

9. Parameters for J4 Pins 1(RTD_SNS),2(RTD_LO),9(RTD_HI)	
9. Parameter	9. Value
9. U <sub>o</sub>	21.0V
9. I <sub>o</sub>	9. 5.78mA
9. P <sub>o</sub>	9. 30.4mW
9. C <sub>o</sub>	9. 0.188μF
9. L <sub>o</sub>	9. 1.06H
9. L <sub>o</sub> /R <sub>o</sub>	9. 1.17mH/Ω

Gas Group Classification IIB:

9. Parameters for J4 Pins 1(RTD_SNS),2(RTD_LO),9(RTD_HI)	
9. Parameter	9. Value
9. U <sub>o</sub>	21.0V
9. I <sub>o</sub>	9. 5.78mA



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9. P <sub>o</sub>	9. 30.4mW
9. C <sub>o</sub>	9. 1.27μF
9. L <sub>o</sub>	9. 4.26H
9. L <sub>o</sub> /R <sub>o</sub>	9. 4.69mH/Ω

### **APPLICABLE REQUIREMENTS**

CSA C22.2 No. 30-20 - Fourth edition - Explosion-proof equipment

CSA C22.2 No. 60079-7:16 - Second Edition - Explosive atmospheres — Part 7: Equipment protection by increased safety “e”

UL 61010-1 (Third Edition) - UL Standard for Safety for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

CSA C22.2 No. 60079-11:1 - Explosive atmospheres - Part 11: Equipment protection by intrinsic safety “i”

ANSI/UL 121201-2021 - Ninth Edition - UL Standard for Safety Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations - Including revisions through April 1, 2021

CSA C22.2 No. 94.2:15 - Second Edition - Enclosures for electrical equipment, environmental considerations

UL 60079-1 - UL Standard for Safety Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d” - Seventh Edition; Reprint with revisions through and including April 22, 2024

ANSI/UL 60079-7 (Fifth Edition) - UL Standard for Safety Explosive Atmospheres – Part 7: Equipment protection by increased safety “e” - Fifth Edition

ANSI/UL 60079-0:2013 - Sixth Edition - UL Standard for Safety - Explosive Atmospheres - Part 0: Equipment - General Requirements

ANSI/UL 60079-11 (Sixth Edition) - UL Standard for Safety Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”

UL 50E:2020 - Third Edition - Including Revisions Through April 30, 2024 - UL Standard for Safety Enclosures for Electrical Equipment, Environmental Considerations

UL 60079-31:2015 - Second Edition - Standard for Safety Explosive Atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”

CAN/CSA C22.2 No 60079-31:15 - Second Edition - Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure “t”

FM 3600:2011 - Electrical Equipment for use in Hazardous (Classified) Locations – General Requirements

FM 3615 : 2006 - Explosionproof Electrical Equipment for Use in Class I, Division 1 Hazardous (Classified) Locations

UL 913(Eighth Edition) - UL Standard for Safety Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III,



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Division 1, Hazardous (Classified) Locations - Eighth Edition

CAN/CSA C22.2 NO. 61010-1-12 +AMD1+(Third Edition)(R2022) - Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements - Third Edition; Errata: July 2019

CSA C22.2 NO. 60079-1-16 - Explosive atmospheres — Part 1: Equipment protection by flameproof enclosures “d” - Third Edition

ANSI/UL 1203-2024 - Sixth Edition - UL Standard for Safety ExplosionProof and Dust-IgnitionProof Electrical Equipment for Use in Hazardous (Classified) Locations - Including revisions through May 30, 2024

CSA C22.2 No. 60079-0:15 - Third Edition - Explosive atmospheres — Part 0: Equipment — General requirements

CSA C22.2 No. 25:17 - Fourth Edition - Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations

CSA C22.2 NO. 213 - Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Divisions 1 and 2 hazardous (classified) locations

### **Markings**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- Manufacturer's name “*Micro Motion Incorporated*”, or CSA Master Contract Number “152450”, adjacent to the CSA Mark in lieu of manufacturer's name.
- Model designation: As specified in the PRODUCTS section, above.
- Electrical: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark, with or without the “C” and “US” indicators, as shown on the Certificate of Conformity.
- Hazardous Location designations: As specified in the PRODUCTS section, above. The word “Class” may be abbreviated “CL”, the word “Division” may be abbreviated “DIV”, and the word “Groups” may be abbreviated “GRP” or “GP”.
- Method of Protection markings (Ex – markings): As specified in the PRODUCTS section, above.
- Temperature Code: As specified in the PRODUCTS section, above.
- For intrinsically safe equipment, the words “INTRINSICALLY SAFE” or “IS” or “I.S.” or the symbol “Ex ia”.
- CSA Certificate number “CSA 19CA70183767”.

The following Caution markings or equivalents are required in English and French.

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

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



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- “WARNING – EXPLOSION HAZARD DO NOT DISCONNECT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS” A and “AVERTISSEMENT – RISQUE D’EXPLOSION. NE PAS DÉBRANCHER PENDANT QUE LE CIRCUIT EST SOUS TENSION OU À MOINS QUE L’EMPLACEMENT NE SOIT EXEMPT DE CONCENTRATIONS INFLAMMABLES”.
- “WARNING - A SEAL SHALL BE INSTALLED WITHIN 50mm OF THE ENCLOSURE” and “ATTENTION - UN SCÉLÈMMENT DOIT ÊTRE INSTALLÉ À MOINS DE 50 mm DU BOÎTIER”.
- “WARNING – POTENTIAL STATIC HAZARD. CLEAN ONLY WITH A WATER WETTED CLOTH” and “ATTENTION – RISQUE D’ÉLECTRICITÉ STATIQUE POTENTIEL. NETTOYER SEULEMENT AVEC UN LINGE IMBIBÉ D’EAU”. (For AL enclosure only)

For CLASS 2258 04 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations

CLASS 2258 84 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations - Certified to US Standards

- “WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY” and “AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SECURITE INTRINSEQUE”.

### **Conditions Of Acceptability**

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- Manufacturer’s name “*Micro Motion Incorporated*”, or CSA Master Contract Number “152450”, adjacent to the CSA Mark in lieu of manufacturer’s name.
- Model designation: As specified in the PRODUCTS section, above.
- Electrical: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date, or serial number, traceable to year and month of manufacture.
- Enclosure ratings: As specified in the PRODUCTS section, above.
- The CSA Mark, with or without the “C” and “US” indicators, as shown on the Certificate of Conformity.
- Hazardous Location designations: As specified in the PRODUCTS section, above. The word “Class” may be abbreviated “CL”, the word “Division” may be abbreviated “DIV”, and the word “Groups” may be abbreviated “GRP” or “GP”.
- Method of Protection markings (Ex – markings): As specified in the PRODUCTS section, above.
- Temperature Code: As specified in the PRODUCTS section, above.
- For intrinsically safe equipment, the words “INTRINSICALLY SAFE” or “IS” or “I.S.” or the symbol “Ex ia”.
- CSA Certificate number “CSA 19CA70183767”.

The following Caution markings or equivalents are required in English and French.



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For CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations and  
CLASS 2258 82 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations - Certified to US Standards:

- “WARNING – EXPLOSION HAZARD DO NOT DISCONNECT WHILE THE CIRCUIT IS LIVE OR UNLESS THE AREA IS FREE OF IGNITIBLE CONCENTRATIONS” A and “AVERTISSEMENT – RISQUE D’EXPLOSION. NE PAS DÉBRANCHER PENDANT QUE LE CIRCUIT EST SOUS TENSION OU À MOINS QUE L’EMPLACEMENT NE SOIT EXEMPT DE CONCENTRATIONS INFLAMMABLES”.
- “WARNING - A SEAL SHALL BE INSTALLED WITHIN 50mm OF THE ENCLOSURE” and “ATTENTION - UN SCCELLEMENT DOIT ÊTRE INSTALLÉ À MOINS DE 50 mm DU BOÎTIER”.
- “WARNING – POTENTIAL STATIC HAZARD. CLEAN ONLY WITH A WATER WETTED CLOTH” and “ATTENTION – RISQUE D’ÉLECTRICITÉ STATIQUE POTENTIEL. NETTOYER SEULEMENT AVEC UN LINGE IMBIBÉ D’EAU”. (For AL enclosure only)

For CLASS 2258 04 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations  
CLASS 2258 84 - PROCESS CONTROL EQUIPMENT – Intrinsically Safe, Entity – For Hazardous Locations - Certified to US  
Standards

- “WARNING - SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY” and “AVERTISSEMENT: LA SUBSTITUTION DE COMPOSANTS PEUT COMPROMETTRE LA SECURITE INTRINSEQUE”.



**Certificate:** 70183767

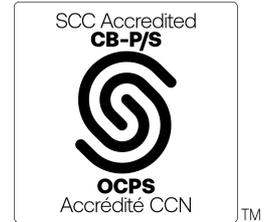
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Notes:

Products certified under Class(es) C225802, C225804, C225882, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## Supplement to Certificate of Compliance

Certificate: 70183767

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
80246069	2025-09-23	North American update add the new 4700 ISIO model to 70183767
80225621	2025-03-07	FIR follow-up, Micro Motion Inc.. (FC# 238433) FIR dated August 13, 2024, Certificate 70183767 and updating capacitors from X5R capacitors with X7R versions for better sourcing and power rating.
80202523	2024-03-22	Evaluation to update CSA Report 70183767 for 4200 and 4700 series model code corrections.
80194883	2024-01-17	Evaluation for update to report 70183767 to revise two brackets.
80158791	2023-08-08	Update to Report 70183767 to include the following changes: - Addition of 4200 Series Stainless-Steel housing configuration. - Addition of Field Mount Loop Power Transmitter 4700 Series (Aluminum and Stainless-Steel housing configuration). - Standard update: CAN/CSA C22.2 No. 30-M1986 (R2012) updated to CAN/CSA C22.2 No. 30-20.
80130150	2022-08-26	Evaluation to update cCSAus report 70183767 for Field Mount Loop Power Transmitter Series 4200 to update report to allow intrinsically safe model 4200J****AB***** to use stainless steel housing.
70183767	2019-02-12	Evaluation of 4200 Transmitter to NA requirements. CII, Div 1, Gr BCD; CII, Div 2, Gr ABCD. CIII, Div 1, Gr EFG