



Certificate of Compliance

Certificate: 70005110 **Master Contract:** 262908
Project: 80231833 **Date Issued:** 2025-02-12
Issued to: Jumo Regulation S.A.S
7 Rue des Drapiers. Actipole Borny
Metz, Moselle 57075
France
Attention: Gaspard Bailly

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.



Issued by: Shivam Mishra
Shivam Mishra

PRODUCTS

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

Ex e IIC Gb T6 to T1,
Class I, Division 2, Groups A, B, C, D

Temperature Sensor Ch,P, resistive

Model(s)	Temp. Range
PtXX	-20°C +60°C

Ratings are as follows:

Un=28V, In=2mA

Temperature class according to process temperature (Tp)



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Tp maximum	Temperature class
80°C	T6
95°C	T5
130°C	T4
195°C	T3
290°C	T2
440°C	T1
(xxx-10)°C > 440°C	xxx°C

Note:

- Probes provided with flying leads shall be connected either in safe area or in an enclosure suitably certified for the hazardous area.
- Installation shall protect the device from mechanical impact over 4J

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Class I, Zone 1, AEx e IIC Gb, T6 to T1;

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

Model(s)	Temp. Range (°C)
PtXX	-20°C +60°C

Ratings are as follows:

Un=28V, In=2mA

Temperature class according to process temperature (Tp)

Tp maximum	Temperature class
80°C	T6
95°C	T5
130°C	T4
195°C	T3
290°C	T2
440°C	T1
(xxx-10)°C > 440°C	xxx°C

Note:



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- Probes provided with flying leads shall be connected either in safe area or in an enclosure suitably certified for the hazardous area.
- Installation shall protect the device from mechanical impact over 4J

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Ex e IIC Gb T6 to T1,

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

Temperature Sensor Ch,P, themocouples

Model(s)	Temp. Range
Fe- CuNi J, NiCr-Ni K, Cu-CuNi T ..	-20°C +60°C

Ratings are as follows:

Un=28V, In=2mA

Temperature class according to process temperature (Tp)

Tp maximum	Temperature class
80°C	T6
95°C	T5
130°C	T4
195°C	T3
290°C	T2
440°C	T1
(xxx-10)°C > 440°C	xxx°C

Note:

- Probes provided with flying leads shall be connected either in safe area or in an enclosure suitably certified for the hazardous area.
- Installation shall protect the device from mechanical impact over 4J

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

Class I, Zone 1, AEx e IIC Gb, T6 to T1;

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

Model(s)	Temp. Range (°C)
Fe- CuNi J, NiCr-Ni K, Cu-CuNi T ..	-20°C +60°C

Ratings are as follows:



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$U_n=28V$, $I_n=2mA$

Temperature class according to process temperature (T_p)

T_p maximum	Temperature class
80°C	T6
95°C	T5
130°C	T4
195°C	T3
290°C	T2
440°C	T1
$(xxx-10)^\circ C > 440^\circ C$	$xxx^\circ C$

Note:

- Probes provided with flying leads shall be connected either in safe area or in an enclosure suitably certified for the hazardous area.
- Installation shall protect the device from mechanical impact over 4J

For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 213-M1987 (First Edition)(R2013) - Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations

ANSI/ISA 12.12.01 : 2013 - Nonincendive Electrical Equipment For Use In Class I And II, Division 2 And Class III, Divisions 1 And 2 Hazardous (Classified) Locations

CAN/CSA-C22.2 No. 60079-7:12 - First Edition - Explosive atmospheres - Part 7: Equipment protection by increased safety 'e'

UL 916 - Fourth Edition - Safety Energy Management Equipment

CSA C22.2 No. 142-M1987 (Third Edition)(R2009) - Process Control Equipment Industrial Products - Third Edition; Incorporating General Instruction No 1: 5/1987; No 2: 6/1987, No 3: 6/1988, No 4: 2/1989, No 5: 9/1990

ANSI/ISA 60079-7:2008 - Fourth Edition - Explosive Atmospheres - Part 7: Equipment protection by increased safety "e" - Fourth Edition; 12.16.01

ANSI/ISA 60079-0:2009 (Fifth Edition) - Explosive atmospheres – Part 0: Equipment – General Requirements - 12.00.01

Markings

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.



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- 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.

Markings etched on metallic nameplates attached to temperature probes.

1. Submitter's identification (company name and/or file number and/or registered tradename);
2. Model designation;
3. Date of manufacture (or traceable serial number);
4. The $\text{C}_{\text{CSA}_{\text{US}}}$ Monogram
5. Hazardous area;
6. Ambient temperature range;
7. Electrical ratings;
8. CSA Certificate number CSA.13.70005110
9. WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD, SEE INSTRUCTIONS/ AVERTISSEMENT
DANGER POTENTIEL DE CHARGE ELECTROSTATIQUES, VOIR
INSTRUCTIONS (2)
(2) Only for models with insulating protective layer on the probe

Markings are presented in drawings 90.M.9852.0-FB.00.02-4Mh.



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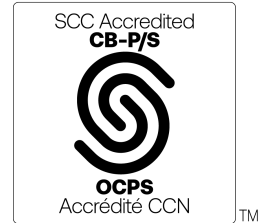
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Notes:

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





Supplement to Certificate of Compliance

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*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
80231833	2025-02-12	Update to Report 70005110 to address (FC# 263345) FIR dated September 3, 2024,, to add: 1. Removal of the supporting document list. 2. Update of descriptive documents.
70005110	2015-06-03	Original Certification temperature sensor Ch, P, resistive, models (PtXX, CTN CTP)