

EX CERTIFICATE – cCSAus

vibro-meter®

**cCSAus 70001999
for
GSI127 galvanic separation unit**



Note: Although the Ex certificate may be included in more than one language, the liability of the notified body applies only on the text of the original copy of the certificate that it published.

Document reference cCSAus 70001999
Edition 4 – November 2024

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Master Contract: 175074
Date Issued: 2024-10-21

Certificate: 70001999
Project: 80203550

when connected per Installation Drawing PZ 6924, Operating temperature: -20° to +70°C

Nonconformance:

244-127-000-XXX-A2-BYY

XXX defines the version of the product (X = 0 to 9)

YY defines the transfer mode (YY = 01 to 19 for alternate specification)

Rating:

Power supply: 30 V, 150 mA

Sensor or conditioner:

- For 244-127-000-XXX-A2-B01 to B19:
U₀, V_{0c} = 25.2 V; I₀, I_{0c} = 39 mA; P₀ = 0.246 W; C₀, C_a = 97 nF; L₀, L_a = 23 mH
- For 244-127-000-XXX-A2-B20 to B39:
U₀, V_{0c} = 25.2 V; I₀, I_{0c} = 27 mA; P₀ = 0.171 W; C₀, C_a = 98 nF; L₀, L_a = 48 mH

Conditions of Acceptability:

- The power to the Monitoring Side of the equipment shall be supplied by an SELV or PELV system with a maximum voltage of 30 Vdc.
- The Transducer Side of the equipment shall only be connected to intrinsically safe certified associated apparatus or simple apparatus.
- This device is an OPEN type equipment that shall be installed within a fixed end-use enclosure that is rated for IP54 (according to CSA/UL 60079-0) or Type 4. The suitability of the enclosure is subject to investigation by the local authorities having jurisdiction at the time of installation.

Notes:

- The above model is DC supplied (connected to mains via separately approved power supply unit, not part of this investigation):
Permanently connected, Pollution degree 2
Mode of operation: Continuous.
- Environmental Conditions: Extended (Specify): -20 °C to +70 °C, Indoor use, Altitude up to 4000 m, Rel. humidity: up to 90% (non-condensing), IP20.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 60079-0:19 (Fourth Edition) - Explosive atmospheres — Part 0: Equipment — General requirements
CSA C22.2 No. 60079 - Explosive atmospheres — Part 11: Equipment protection by intrinsic safety "i" - Second Edition
Amendment 12018 to CAN/CSA-C22.2 No. 60079-71:6 - Second Edition - Explosive atmospheres — Part 7: Equipment protection by increased safety "e"
CSA C22.2 No. 61010-1-12:UPDI:2015, UPDI:2016, AMD1:2018, UPDI:2023 - Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements - Third Edition, Update No. 1; July 2015; Update No. 2; April 2016; Update No. 3: June 2023



Certificate of Compliance

Certificate: 70001999
Project: 80203550
Master Contract: 175074
Date Issued: 2024-10-21

Issued to:
Meggit SA
Rte de Moncor 4
Villars-sur-Glane, Fribourg 1752
Switzerland

Attention: Carlo Pellegrielli

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:
John Kusi Amarateng
John Kusi Amarateng

PRODUCTS

Class 2258.03 PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Inventive Systems - For Hazardous Locations
Class 2258.83 PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Inventive Systems-For Hazardous Locations-
Certified to U.S. Standards

Class I, Division 2, Groups A, B, C and D
Ex cc [ia Ga] IIC T4 Gc
Class I, Zone 2, AEx cc [ia Ga] IIC T4 Gc

Monitoring system consisting of galvanic separation unit Model 244-127-000-XXX (GSI 127)

Model(s)
244-127-000-XXX-A2-BYY

Monitoring system consisting of galvanic separation unit Model 244-127-000-XXX (GSI 127) providing I.S. outputs for Division 1/Zone 0



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Notes:

Products certified under Class(es) C225803, C225883 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC), www.scc.ca

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Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
CAN/CSA-C22.2 No. 213-17 + UPD 1 (2018) + UPD 2 (2019) + UPD 3 (2021) (R2022) - Non-incendive Electrical Equipment for

UL 61010-1 3rd ed (Rev. Jun 6, 2023) - UL Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements - Third Edition; Reprint with Revisions Through and Including JUNE 6, 2023

ANSI/UL 60079-0-2020 (Seventh Edition) - Explosive Atmospheres - Part 0: Equipment - General Requirements

ANSI/UL 60079-11:2013 - Sixth Edition - Including revisions through January 25, 2023 - UL Standard for Safety Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety TM

ANSI/UL 60079-7:2017 - Fifth Edition - Including revisions through June 3, 2021 - UL Standard for Safety Explosive Atmospheres – Part 7: Equipment protection by increased safety "e"

ANSI/UL 121201-2021 Ninth Edition - 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 these authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that the 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.

The following markings appear in a permanent and visible manner on each product, on CSA Accepted label(s):

- ▶ CSA Monogram with C/US indicator
 - ▶ Submittal's identification and/or CSA master contract number "175074" adjacent to the CSA Monogram
 - ▶ Canadian certificate number for zone: "CSA 14CA70001999"
 - ▶ Model designation
 - ▶ Serial number
 - ▶ A code traceable to the month and year of manufacture
 - ▶ Electrical rating
 - ▶ DC symbol
 - ▶ Hazardous Location designation for Division and Zone
- Reference to installation drawing PZ 6924

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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
80203550	2024-10-21	Update to Report 70001999 based on acceptance of data from IECEx ExTR Reference No. FR/LCIE/ExTR23.0046/00 and updating CSA C22.2 No. 213-16 to its latest edition as per the Notice, Hazardous Locations Products No. 28.
70112845	2017-01-19	Update to CSA C-US Certificate and Report 70001999 for GSI 127 Interface with IS Output, to add new models with Alternate specification, and an update to the Type designation of 2444-127-000-XXX-A2-BYY to differentiate between the two specifications. A new operating temperature of -40°C to + 70°C for all models is introduced.
70001999	2014-03-24	cCSAus certification for GSI127 for Class 1, Division 2, with intrinsically safe outputs

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