



Certificate of Compliance

Certificate: 80218766

Master Contract: 264855

Project: 80218766

Date Issued: 2025-08-25

Issued to: Mettler-Toledo GmbH

Process Analytics

Im Hackacker 15

8902 Urdorf

Switzerland

Attention: Stefan Hartmann

The products listed below 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 US Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.



Issued by:

Ennis Zhong
Ennis Zhong

PRODUCTS

2258 02 - PROCESS CONTROL EQUIPMENT- For Hazardous Locations

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

Class II, Division 2 Groups F, G T4

Class III, Division 2

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

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

Class II, Division 2 Groups F, G T4



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Class III, Division 2

Automatic Sensor Calibration & Cleaning System, Model EasyClean 500X*, rated 15-30Vdc, 100mA, ambient temperature range: +2 °C to +55 °C; Enclosure Type 4X/IP65.

Model designations of the EasyClean 500X* are as follows:

*= any numbers: model for Zone 2, Zone 22 and Class I/II/III, Division 2

*= none: model for Zone 1 and Zone 21, Class I/II/III, Division 1

Conditions of Acceptability:

- i. The product shall be operated at an altitude no greater than 5000m.
- ii. The units shall be used and installed by professional personnel or the submitter's trained personnel only.
- iii. The units shall be powered by external approved power supply.
- iv. Final acceptance of this equipment when installed is subject to the Canadian Electrical Code (C22.1) and National Electrical Code (NFPA 70).
- v. All cable entry holes shall be fitted with either certified cable glands or blanking elements to maintain the level of explosion protection and enclosure ratings.
- vi. Resistance to impact was tested corresponding to the low risk of mechanical danger. The device has to be protected against strong impacts.
- vii. The medium or water temperature shall be no more than 90°C.
- viii. The service temperature of branching point and entry point is as below. The end user shall select the cable and cable gland rated at least the maximum service temperature in the final installation.

Branching point (°C)	Entry point (°C)	Ambient temperature (°C)
57.61	56.69	55

2258 04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, entity - For Hazardous Locations

Class I, Division 1, Groups A, B, C, D T4

Class II, Division 1, Groups E, F, G T4

Class III, Division 1

Ex ia [ia Ga] IIC T4 Gb

Ex ia [ia Da] IIC T95°C Db

Ex ic IIC T4 Gc

Ex ic IIC T95°C Dc

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

Class I, Division 1, Groups A, B, C, D T4

Class II, Division 1, Groups E, F, G T4

Class III, Division 1



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Class I, Zone 1, AEx ia [ia Ga] IIC T4 Gb
Zone 21, AEx ia [ia Da] IIIC T95°C Db
Class I, Zone 2, Ex ic IIC T4 Gc
Zone 22, AEx Ex ic IIIC T95°C Dc

Automatic Sensor Calibration & Cleaning System, Model EasyClean 500X*, rated 15-30Vdc, 100mA, temperature code T4/T95°C, ambient temperature range: +2 °C to +55 °C; Enclosure Type 4X/IP65, intrinsically safe with entity parameter when installed per control drawing 31054381.

Model designations of the EasyClean 500X* are as follows:

*= any numbers: model for Zone 2, Zone 22 and Class I/II/III, Division 2

*= none: model for Zone 1 and Zone 21, Class I/II/III, Division 1

The entity parameters are listed in Table:

Terminal No.	Function	Entity parameters				
TB1_25, TB1_24	External power supply Input	Ui=30V	Ii=100mA	Pi=0.8W	Li=0mH	Ci=14.45nF
TB1_23,22, 21, 20	RS485	Uo=5.88V Ui=5.88V	Io=18mA Ii=20mA	Po=40.1mW Pi=40.1mW	Lo=100mH Li=0mH	Co=30uF Ci=220nF
TB1_31,32, 33, 34, 35	DCS outputs	Ui=30V	Ii=100mA	Pi=0.8W	Li=0mH	Ci=12nF
TB1_36,37, 38, 39, 40 M/S TB1_41,42	DCS inputs	Ui=30V	Ii=100mA	Pi=0.8W	Li=0mH	Ci=12nF

Conditions of Acceptability:

- i. The product shall be operated at an altitude no greater than 5000m.
- ii. The units shall be used and installed by professional personnel or the submitter's trained personnel only.
- iii. The units shall be powered by external approved power supply.
- iv. Final acceptance of this equipment when installed is subject to the Canadian Electrical Code (C22.1), and National Electrical Code (NFPA 70).
- v. Under certain extreme circumstances, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore, the equipment shall not be installed in a location where the external conditions are conducive to the build-up of electrostatic charge on such surfaces. In addition, the equipment shall only be cleaned with a damp cloth.
- vi. All cable entry holes shall be fitted with either certified cable glands or blanking elements to maintain the level of explosion protection and enclosure ratings.
- vii. Resistance to impact was tested corresponding to the low risk of mechanical danger. The device has to be protected against strong impacts.
- viii. The medium or water temperature shall less than 90°C.



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- ix. The service temperature of branching point and entry point is as below. The end user shall select the cable and cable gland rated at least the maximum service temperature in the final installation.

Branching point (°C)	Entry point (°C)	Ambient temperature (°C)
57.61	56.69	55

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 60079-0:19	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN/CSA C22.2 No. 60079-11:14 (R2023)	Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety "i"
CAN/CSA C22.2 No. 213-17 + UPD 1 (2018) + UPD 2 (2019) + UPD 3 (2021) (R2022)	Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Division 1 and 2 hazardous (classified) locations
CAN/CSA C22.2 No. 61010-1-12; UPD1:2015; UPD2:2016; AMD1:2018; COR1:2019; UPD3:2023	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
CAN/CSA C22.2 No. 94.2:20 Third Edition	Enclosures for electrical equipment, environmental considerations
ANSI/UL 913-2022 Eighth Edition	Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, and III, Division 1, Hazardous (Classified) Locations
ANSI/UL 60079-0-2020 Seventh Edition	Explosive atmospheres – Part 0: Equipment – General requirements
ANSI/UL 60079-11-2018 (R2023) Sixth Edition	Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i”
ANSI/UL 121201-2021 Ninth Edition	Nonincendive electrical equipment for use in Class I and II, Division 2 and Class III, Division 1 and 2 hazardous (classified) locations
UL 61010-1, 3rd ed, Rev June 6, 2023	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements
ANSI/UL 50E-2020 Third Edition	Enclosures for Electrical Equipment, Environmental Considerations

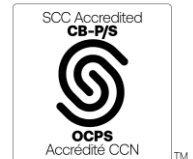


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Notes:

Products certified under Class C225802, C225804, C225882, C225884 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
80218766	2025-08-25	Original cCSAus Certification on Automatic Sensor Calibration & Cleaning System, model EasyClean 500X*. Class I, Division 2, Groups A, B, C, D T4 Class II, Division 2 Groups F, G T4 Class III, Division 2 Class I, Division 1, Groups A, B, C, D T4 Class II, Division 1, Groups E, F, G T4 Class III, Division 1 Ex ia [ia Ga] IIC T4 Gb Ex ia [ia Da] IIIC T95°C Db Ex ic IIC T4 Gc Ex ic IIIC T95°C Dc Class I, Zone 1, AEx ia [ia Ga] IIC T4 Gb Zone 21, AEx ia [ia Da] IIIC T95°C Db Class I, Zone 2, Ex ic IIC T4 Gc Zone 22, AEx Ex ic IIIC T95°C Dc IP65 and type 4X Ambient Temperature: 2°C to +55°C