Certificate of Compliance

Certificate: 70131920 **Master Contract:** 200600

Project: 80160677 **Date Issued:** 2023-03-06

Issued To: **Endress+Hauser Wetzer GmbH Co. KG**
Obere Wank 1
Nesselwang, Bavaria, 87484
Germany

Attention: Eva Rizzo

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: *Andreas von der Brelie*
Andreas von der Brelie

C US

PRODUCTS
CLASS - C225206 - PROCESS CONTROL EQUIPMENT Process Control Equipment
CLASS - C225286 - PROCESS CONTROL EQUIPMENT Certified to US Standards

Compact thermometers TrustSens for measurement of temperatures, models TM 371 and TM 372.
Rated 12-30 Vdc (absolute values), max. current 23 mA.

Notes:

1. The above model is permanently connected, Output of power supply below the limits of clause 6.3.1 and 9.4, max. 30 Vdc, supplied by an external certified power source, not part of this investigation. The DC output of this separately certified power source shall be below the limits of clause 6.3.1 of IEC 61010-1:2010), Pollution Degree 2.
2. Mode of operation: Continuous
3. Environmental Conditions: Extended/as specified by manufacturer -40 °C to +85 °C.

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APPLICABLE REQUIREMENTS

CSA Standards:

CAN/CSA-C22.2 No. 61010-1-12 UPD1:2015, UPD2:2016, AMD1:2018	- Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

UL Standards:

UL 61010-1, 3rd Edition (2012), AMD1: 2018	- Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

CONDITIONS OF ACCEPTABILITY

(1) As disconnecting device – required by clause 6.11 – the power supply disconnecting device or interrupt facility is used, not part of this investigation.

(2) The equipment is supplied by a certified power source which is approved in accordance to IEC 60950-1 or IEC 61010-1, not part of this investigation. The DC output of this separately certified power source shall be below the limits of clause 6.3.1 and 9.4 of IEC 61010-1:2010.

(3) The device may only be powered by a power supply unit with a limited energy electric circuit in accordance with UL/EN/IEC 61010-1:2010 chapter 9.4 or class 2 according to UL 1310, “SELV or Class 2 circuit”.

(4) If at any time there is a conflict between the system safety provisions and any relevant local (national or regional) requirements, the local requirements always take precedence.

(5) Equipment has only been tested for electrical safety. No evaluations of functional safety and performance characteristics have been performed.

(6) Equipment has only been tested for use in ordinary locations. No evaluations for use in hazardous locations have been performed.

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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.

The following markings appear on the product:

1. Submittor's identification (company name and/or file number and/or registered tradename);
2. Marking on the unit that indicates the manufacturing location if the equipment is manufactured at more than one factory location;
3. Model designation;
4. Electrical rating;
5. Date of manufacture: Month and year of manufacture or date code. If a serial number is used instead of date of manufacture, a record of serial numbers shall be kept traceable to date of manufacture. (Not related to date of sale).
6. The products listed 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:

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Symbol	Reference	Title
	IEC 60417-5031	Direct current
	ISO 7000-0434A	Caution

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Nameplate adhesive label material approval information:

The above markings are made via silk screening, die stamping, moulding or on CSA certified or UL recognized adhesive nameplate material compatible with the surface used, or other equivalent permanent means that can pass the label rub test under clause 5.3.

Notes:

Products certified under Class C225206, C225286 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
80160677	2023-03-06	Update to report 70131920 to add new circuit diagram and layout without testing, upgrade to the latest version of the standard.
70131920	2017-08-22	Original cCSAus Certification of Compact thermometer TrustSens for measurement of temperatures, model TM371 and TM372