



Certificate of Compliance

Certificate: 80149044 **Master Contract:** 205557
Project: 80235589 **Date Issued:** 2025-02-18
Issued to: Endress+Hauser Conducta GmbH & Co. KG
Dieselstraße 24
Gerlingen, Baden-Württemberg 70839
Germany
Attention: Maximilian Hirsch

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

PRODUCTS

Class 2252 06 PROCESS CONTROL EQUIPMENT - Process Control Equipment

Class 2252 86 PROCESS CONTROL EQUIPMENT - Certified to US Standards

Sensor for turbidity and solids measurements

Model(s)	Input Voltage (VDC)	Wattage (W)
CUS50D, CUS51D, CUS52D	24VDC (-15% / +20%)	1.8

Notes:

- The above models are DC supplied (connected to mains via separately approved power supply unit, not part of this investigation):
Permanently connected, Pollution degree: Internally PD2, Externally PD4
Mode of operation: Continuous
- Environmental Conditions: Extended (Specify): -20 °C to +60 °C, Indoor and Outdoor use (wet location), Altitude up to 3000 m,
Rel. humidity: up to 100%, IP66, IP68, Type 6P



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Conditions of Acceptability:

1. The device may only be powered by a power supply unit with a limited energy electric circuit in accordance with CSA/UL/EN/IEC 61010-1:2010 chapter 6.3.1/6.3.2 and 9.4 or class 2 according to CSA 223/UL 1310.
2. Equipment has only been tested for electrical safety. No evaluations of functional safety and performance characteristics have been performed.
3. Equipment has only been tested for use in ordinary locations. No evaluations for use in hazardous locations have been performed.

APPLICABLE REQUIREMENTS

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 61010-1 3rd ed (Rev. Nov 21, 2018) - UL Standard for Safety Electrical Equipment For Measurement, Control, and Laboratory Use; Part 1: General Requirements - Third Edition; Including Revisions through November 21, 2018



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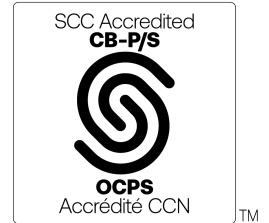
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Notes:

Products certified under Class(es) 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
80235589	2025-02-18	Update to Report 80149044 to cover minor layout and mechanical changes intended to prevent broken connectors between the mainboard and sensor head.
80208248	2024-05-06	Update to Report 80149044 to cover minor layout and mechanical change related to connector stability.
80149044	2023-11-07	Original cCSAus certification of sensors for turbidity and solids measurements model CUS50D, CUS51D and CUS52D