



Certificate of Compliance

Certificate: 80149044

Master Contract: 205557

Project: 80149044

Date Issued: 2023-11-07

Issued To: Endress+Hauser Conducta GmbH & Co. KG
Dieselstraße 24
Gerlingen, Baden-Württemberg, 70839
Germany

Attention: Henryk Hofmann

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 - C225206 - PROCESS CONTROL EQUIPMENT Process Control Equipment

CLASS - C225286 - PROCESS CONTROL EQUIPMENT Certified to US Standards

Sensor for turbidity and solids measurements, model CUS50D, CUS51D, CUS52D,
Rated: 24V DC (-15 % / +20 %), 1.8 W.

Notes:

1. 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.
2. 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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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

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. Submitter's identification (company name and/or file number and/or registered tradename);
2. Model designation;
3. Electrical rating;
4. 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).
5. 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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Made in Germany, Dieselstr. 24, 70839 Gerlingen

Turbimax

Endress+Hauser 

Order code: CUS50D-1234/0
CUS50D-CA2AA2B1

Ser. no.: 12345678T00
20.4...28.8 V_~, 1.8 W IP68 / Type 6P



Made in Germany, Dieselstr. 24, 70839 Gerlingen

Turbimax

Endress+Hauser 

Order code: CUS51D-1234/0
CUS51D-CAC1A2

Ser. no.: 12345678T00
20.4...28.8 V_~, 1.8 W IP68 / Type 6P



Made in Germany, Dieselstr. 24, 70839 Gerlingen

Turbimax

Endress+Hauser 

Order code: CUS52D-1234/0
CUS52D-CA1AA2

Ser. no.: 12345678T00
20.4...28.8 V_~, 1.8 W IP68 / Type 6P



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.

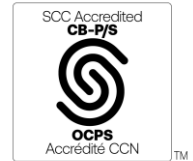


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Notes:

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
80149044	2023-11-07	Original cCSAus certification of sensors for turbidity and solids measurements model CUS50D, CUS51D and CUS52D