



Certificate of Compliance

Certificate: 2667545 **Master Contract:** 200600
Project: 80190572 **Date Issued:** 2024-07-12
Issued to: Endress+Hauser Wetzler 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: Wardell Dumas
Wardell Dumas

PRODUCTS

Class 2252 06 PROCESS CONTROL EQUIPMENT - Process Control Equipment

Class 2252 86 PROCESS CONTROL EQUIPMENT - Certified to US Standards

Resistance Thermometer (RTD), Temperature Sensor Assembly: iTHERM [Pressure]

Model(s)	Supply Voltage (VDC)	Current (Ade)	Pressure (Bar)	Configuration
TM111, TM112, TM412	10-42	23	20	with 4-20mA signal output
	9-32	12	20	with Profibus, Profinet or Fieldbus
TM411	10-42	23	20	with 4-20mA signal output

Ambient -40 to +85° C (with mounted head transmitter), -20 to +70° C (with mounted head transmitter and display), Pollution Degree 2.

Above models may be used with or without thermowells. Approved for direct contact with process fluids.



Certificate: 2667545

Master Contract: 200600

Project: 80190572

Date Issued: 2024-07-12

Resistance Thermometer (RTD), Temperature Sensor Assembly: iTHERM

Model(s)	Supply Voltage (VDC)	Current (A dc)	Configuration
TM611	10-42	23	with 4-20mA signal output
	9-32	12	with Profibus, Profinet or Fieldbus

Ambient -40 to +85° C (with mounted head transmitter), -20 to +70° C (with mounted head transmitter and display), Pollution Degree 2.

Designed for mounting tangentially to containment body of the process medium.

Resistance Thermometer (RTD), Temperature Sensor Assembly: iTHERM in thermowells

Model(s)	Supply Voltage (VDC)	Input Current (mA max)	Configuration
TM131, TM151, TM152	10-42	23	with 4-20mA signal output
	9-32	12	with Profibus, Profinet or Fieldbus

Ambient -40 to +85° C (with mounted head transmitter), -20 to +70° C (with mounted head transmitter and display), Pollution Degree 2.

Approved for use with thermowells.

RTD assemblies in Thermowells

Model(s)	Supply Voltage (VDC)	Input Current (mA max)	Configuration
T13, T14, T15, T53, T54, T55	10-42	23	with 4-20mA signal output
	9-32	12	with 12mA with Profibus, Profinet or Fieldbus

Ambient -40 to +85° C (with mounted head transmitter), -20 to +70° C (with mounted head transmitter and display), Pollution Degree 2.

Approved for use with thermowells.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016, AMD1:2018, UPD3:2023 - 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

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



Certificate: 2667545

Master Contract: 200600

Project: 80190572

Date Issued: 2024-07-12

Conditions Of Acceptability

1. The device may only be powered by a power supply unit with a limited energy electric circuit in accordance with CAN/CSA-C22.2 No. 61010-1-12 / UL Std. No. 61010-1 (3rd Edition) chapter 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 is only to be installed by trained personal in accordance to the installation, set-up, operation and maintenance.
4. Equipment has only been tested for use in ordinary locations. No evaluations for use in hazardous locations have been performed.
5. Only models with listed pressure ratings are approved for use with direct contact to process fluids.



Certificate: 2667545

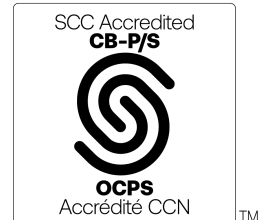
Master Contract: 200600

Project: 80190572

Date Issued: 2024-07-12

Notes:

Products certified under Class(es) C225206 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

Certificate: 2667545

Master Contract: 200600

*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
80190572	2024-07-12	Update to report 2667545 to add new models TM112, TM151, TM152 and TM611, to make editorial changes to installation category and transmitter information, to clarify that all transmitters from reports 70190447 and 80035269 can be used, and to update to the latest version of the standards.
80109673	2022-05-24	Update to Report 2667545 to add new electronic components temperature transmitter TMT31 and TMT86 in the nomenclature, upgrade to the latest version of the standard.
80074873	2021-03-30	Update to Report 2667545 for editorial changes and addition of classes 2252-06/-86 to FC 274034, Factory ID 4964399 (Italy).
80005275	2020-01-29	Update to Report 2667545 to add new model type T13, T14, T15, T53, T54 and T55.
70192959	2018-11-30	Update to Report 2667545 for addition of models TM111 and TM131, evaluated to C22.2 No 61010-1-12 / UL 61010-1 (3rd Edition). Evaluation includes upgrade of original report from 2nd to 3rd edition.
2667545	2013-12-20	Original Certification for temperature sensor assembly iTHERM, models TM411 and TM412 according to CSA-C22.2 No. 61010-1-04. Class 2252 05/85.