



Certificate of Compliance

Certificate: 70190447 **Master Contract:** 200600
Project: 80230336 **Date Issued:** 2025-01-03
Issued to: Endress+Hauser Wetzler GmbH Co. KG
 Obere Wank 1
 Nesselwang, Bavaria 87484
 Germany
 Attention: Michael Pfanzelt

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: Esme Li
 Esme Li

PRODUCTS

Class 2252 06 PROCESS CONTROL EQUIPMENT - Process Control Equipment

Class 2252 86 PROCESS CONTROL EQUIPMENT - Certified to US Standards

The temperature transmitter is a two-wire transmitter with analogue output.

Model(s)
TMT71, TMT72, TMT71 DIN-rail, TMT72 DIN-rail, L20221, L20221 DIN-rail, L20222, L20222 DIN-rail, TMT82, TMT82 DIN-rail, TMT84, TMT85, TMT31, F2058, TMT31 DIN-rail, F2058 DIN-rail, TMT86, E2054HAPL, TMT36, F2060, TID10

Model TID10 (Optional pluggable display for head transmitters model series TMT7x, TMT8x, L2022x, TMT36, F2060, E2054HAPL)

Ratings:

Model	Voltage (absolute values)	Max. Current / Power



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TMT71, TMT72 (optional with field housing TA30A, TA30D, TA30H and display TID10)	10-36 Vdc	23 mA
L20221, L20222 (optional with field housing TA30A, TA30D, TA30H and display TID10)	10-36 Vdc	23 mA
TMT71 DIN-rail, TMT72 DIN-rail	10-36 Vdc	23 mA
L20221 DIN-rail, L20222 DIN-rail	10-36 Vdc	23 mA
TMT82 (optional with field housing TA30A, TA30D, TA30H, two chamber housing and display TID10)	11-42 Vdc	23 mA
TMT82 DIN-rail	12-42 Vdc	23 mA
TMT84 (optional with field housing TA30A, TA30D, TA30H and display TID10)	9-32 Vdc	23 mA
TMT85 (optional with field housing TA30A, TA30D, TA30H and display TID10)	9-32 Vdc	23 mA
TMT31 and F2058 (optional with field housing TA30A, TA30D, TA30H)	10-36 Vdc	23 mA
TMT31 DIN-rail, F2058 DIN-rail	10-36 Vdc	23 mA
TMT86 and E2054HAPL (optional with field housing TA30A, TA30D, TA30H and display TID10)	9-30 Vdc	0.7W
TMT36 and F2060 (optional with field housing TA30A, TA30D, TA30H and display TID10)	18-30 Vdc	11mA

1. Pollution degree 2
2. Installation category: DC supplied; OVC II
3. IP20; For models with field housing TA30A, TA30D, TA30H: IP66, IP67, IP68 (for details see Att5 IP test report); For model TMT82 with two chamber housing: IP66, IP67
4. Altitude: up to 4000 m;
5. Temperature -40°C up to +85°C; For Display TID10: -30 to +85 °C
6. Rel. humidity up to 95%

APPLICABLE REQUIREMENTS

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 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

Conditions Of Acceptability

1. For model TMT71, TMT72, TMT71 DIN-rail, TMT72 DIN-rail, L20221, L20221 DIN-rail, L20222, L20222 DIN-rail, TMT82, TMT82 DIN-rail, TMT84, TMT85, TMT31, F2058, TMT31 DIN-rail, F2058 DIN-rail, TMT86, E2054HAPL, TMT36 and F2060: 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. For models TMT71, TMT72, L20221, L20222, TMT82, TMT84, TMT85, TMT31, F2058, TMT86, E2054HAPL, TMT36 and



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Master Contract: 200600

Project: 80230336

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F2060 with field housing TA30A, TA30D, TA30H, two chamber housing (wet location): 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 6.3.2 and 9.4 or class 2 according to CSA 223/UL 1310.

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

4. Equipment is only to be installed by trained personal in accordance to the installation, set-up, operation and maintenance of comparable devices and certified as being capable of such work.

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



Certificate: 70190447

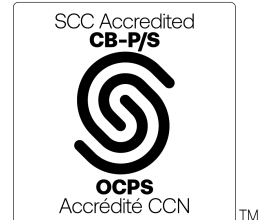
Project: 80230336

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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

Certificate: 70190447

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
80230336	2025-01-03	Update report to include new sensor input and housing options for the Model TMT31, along with testing for TMT31xTC (head), TMT31xTC (DIN-rail), and TMT31xRTD (DIN-rail).
80211139	2024-07-31	Update to Report 70190447 to add display model series TID10.
80180034	2024-02-01	Update to report 70190447 to add new models TMT36 and F2060.
80160651	2023-05-03	Update to report 70190447 to add new models L20221, L20221 DIN-rail, L20222, L20222 DIN-rail without testing.
80101931	2022-04-14	Update to Report 70190447 to add new model TMT86 and E2054HAPL
80082275	2021-10-21	Update to Report 70190447 to add new model TMT31 and F2058HRTD, upgrade to the latest version of the standard.
80049310	2020-07-27	Update to Report 70190447 to add new model TMT82, TMT82 DIN-rail, TMT84, TMT85.
70216113	2019-05-22	Update to Report 70190447 for addition of models TMT71 DIN-rail and TMT72 DIN-rail.
70190447	2018-11-15	Original cCSAus Certification of temperature transmitter, models TMT71 and TMT72