



Certificate of Compliance

Certificate:	1406494	Master Contract:	200600
Project:	80231678	Date Issued:	2026-07-13
Issued to:	Endress+Hauser Wetzler GmbH Co. KG Obere Wank 1 Nesselwang, Bavaria 87484 Germany	Issued by:	<i>Christopher Agada</i> Christopher Agada
Attention: Eva Rizzo			

The products listed below are eligible to bear the CSA Mark shown



PRODUCTS

Class 2258 02 PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Class I, Div. 1, Groups A, B, C & D T6/T5/T4

Class II, Div. 1 Groups E, F & G

Class III

- Temperature Transmitter, Type iTEMP TMT 162, powered by a voltage of 11 ... 40 Vdc. The power dissipated is maximum 3 Watt. It converts a measurement input signal of external temperature sensors into a 4-20 mA and digital output signal. Installation per Control Drawing 14 12 00 114. Temperature codes T6, Ta = - 40 °C to +55 °C; T5, Ta = - 40 °C to +70 °C; and T4, Ta = - 40 °C to +85 °C. Enclosure Type 4X.
- Temperature Transmitter, Type iTEMP TMT 162, rated 9... 35 Vdc, 3W. Connect to Profibus PA / Foundation Fieldbus system per Installation Drawing 14 12 00 214. Temperature codes T6, Ta = - 40 °C to +55 °C; T5, Ta = - 40 °C to +70 °C; and T4, Ta = - 40 °C to +85 °C. Enclosure Type 4X.

Ex db IIC T6...T4 Gb
Ex tb IIIC T110 °C Db



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- Temperature Transmitter, Type iTEMP TMT 162 with or without the optional HART 7 or Foundation Fieldbus / Profibus (FF/PA). Provided with an Aluminium or Stainless Steel enclosure. Temperature codes T6, Ta = - 40 °C to +55 °C; T5, Ta = - 40 °C to +70 °C; and T4, Ta = - 40 °C to +80 °C. IP 66/IP67 enclosure; T110 °C = -40 °C to +80 °C.

Conditions of Acceptability (Ex db/tb equipment only)

1. For Ex db (Flameproof) equipment, the flameproof joints are not intended to be repaired.
2. When the optional non-conductive coating is applied the risk from electrostatic discharge shall be minimized.

Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Ex ia IIC T6...T4 Ga

Ex ic IIC T6...T4 Gc

Ex ia IIIC T85 °C...T110 °C Db

I.S. Class I, Div. 1, Groups A, B, C & D T6/T5/T4

Class II, Div. 1, Groups E, F & G

Class III, Div. 1

- Temperature Transmitter iTEMP Type TMT162, with or without the optional display. Provides a 4 - 20 mA current output signal with HART communication; or is connected to a fieldbus (Profibus PA or Foundation Fieldbus). Aluminium or Stainless Steel enclosure, Type 4X.

Temperature class	Ambient temperature range
T6	-40 °C to +55 °C
T5	-40 °C to +70 °C
T4	-40 °C to +85 °C

Transmitter with 4 - 20 mA current output:

Supply/output circuit (terminals + and -): in type of protection intrinsic safety Ex ia IIC and Ex ia IIIC, only for connection to a certified intrinsically safe circuit, with following maximum values:

Ui = 30 V, Ii = 300 mA, Pi = 1 W, Ci = 5 nF, Li = 0 mH.

Sensor circuits (terminals 1 ... 6): in type of protection intrinsic safety Ex ia IIC and Ex ia IIIC, with following maximum values:

Uo = 7.6 V, Io = 29.3 mA, Po = 55.6 mW, Co = 10.4 µF (IIC) or 160 µF (IIB/IIIC) or 1000 µF (IIA), Lo = 40 mH (IIC) or 150 mH (IIB/IIIC) or 300 mH (IIA).

The sensor circuit is galvanically isolated from the supply and output circuit up to a peak voltage of 60 V.

Transmitter with fieldbus connection:

Supply/output circuit Profibus PA or Foundation Fieldbus (terminals + and -): in type of protection intrinsic safety Ex ia IIC and Ex ia IIIC, for connection to a certified intrinsically safe Fieldbus according to the FISCO Model, with following maximum values:

Ui = 17.5 V, Ii = 500 mA, Pi = 5.32 W, Ci = 5 nF, Li = 10 µH; or

Supply/output circuit Profibus PA or Foundation Fieldbus (terminals + and -): in type of protection intrinsic safety Ex ia IIC and Ex ia IIIC, for



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connection to a certified intrinsically safe circuit, with following maximum values:

$U_i = 24\text{ V}$, $I_i = 250\text{ mA}$, $P_i = 1.2\text{ W}$, $C_i = 5\text{ nF}$, $L_i = 10\text{ }\mu\text{H}$.

Sensor circuits (terminals 1 ... 6): in type of protection intrinsic safety Ex ia IIC and Ex IIIC, with following maximum values:

$U_o = 8.6\text{ V}$, $I_o = 26.9\text{ mA}$, $P_o = 57.6\text{ mW}$, $C_o = 6.2\text{ }\mu\text{F}$ (IIC) or $55\text{ }\mu\text{F}$ (IIB/IIIC) or $1000\text{ }\mu\text{F}$ (IIA), $L_o = 48\text{ mH}$ (IIC) or 180 mH (IIB/IIIC) or 380 mH (IIA).

The sensor circuit is galvanically isolated from the supply and output circuit up to a peak voltage of 60 V.

Conditions of Acceptability (Ex ia equipment only)

1. Where the equipment incorporates Aluminium enclosure and EPL Ga apparatus, it must be installed to avoid impact or friction.
2. Where there is non-conductive coating on the enclosure, the buildup of electrostatic charges on the enclosure must be avoided. Refer to the Safety Instructions for more details.
3. 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.

Class 2258 03 PROCESS CONTROL EQUIPMENT - Intrinsically Safe and Non-Incendive Systems - For Hazardous Locations

Ex ec IIC T6...T4 Gc

Class I, Div. 2, Groups A, B, C & D T6/T5/T4 (NIFW)

-40 °C ≤ Ta ≤ +55 °C (T6 only)

-40 °C ≤ Ta ≤ +70 °C (T5 only)

-40 °C ≤ Ta ≤ +85 °C (T4 only)

- Temperature Transmitter iTEMP Type TMT 162 with PA/FF, input rated 35Vdc max., 12mA, Non-Incendive when installed with certified non-incendive associated apparatus meeting entity $U_i/V_{\text{max}} = 35\text{Vdc}$, $C_i = 5\text{ nF}$, $L_i = 10\mu\text{H}$ per Dwg 14 12 00 212. Temperature codes: T6, Ta = - 40°C to + 55°C, T5, Ta = - 40°C to + 70°C and T4, Ta = - 40°C to + 85°C. Enclosure Type 4X.
- Temperature Transmitter iTEMP Type TMT 162 with HART7, input rated 42 Vdc max., 4-20 mA, Non-Incendive when installed with certified non-incendive associated apparatus meeting entity $U_i/V_{\text{max}} = 30\text{Vdc}$, $C_i = 5.3\text{ nF}$, $L_i = 0\mu\text{H}$ per Dwg 10000009437. Temperature code: T6, Ta = -50 °C to +55 °C, T5, Ta = -50 °C to +70 °C and T4, Ta = -50 °C to +85 °C. Enclosure Type 4X.

Conditions of Acceptability (all equipment)

1. Equipment used in Zone 2 (EPL Gc) or Class I, Division 2 locations cannot subsequently be used in Zone 1 (EPL Gb), Zone 0 (EPL Ga), or Class I, Division 1 locations.
2. Final acceptance of the installation is subject to the authority having jurisdiction.
3. The end user shall ensure appropriate earthing of the metallic field housing upon installation.
4. 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.

APPLICABLE REQUIREMENTS



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Standards Used	Description
CSA C22.2 No. 25:17 (R2022)	Enclosures for use in Class II, Division 1, Groups E, F, and G hazardous locations - Fourth Edition
CSA C22.2 No. 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations Industrial Products - General Instruction No 1-2
CSA C22.2 No. 94-M91 - Fourth Edition	Special Purpose Enclosures Industrial Products
CAN/CSA-C22.2 No. 213-17 + UPD 1 (2018) + UPD 2 (2019) + UPD 3 (2021) (R2022)	Non-incendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations
CAN/CSA C22.2 No. 61010-1-12	Safety requirements for electrical equipment for measurement, control, and laboratory use — Part 1: General requirements
CAN/CSA C22.2 No. 60079-0:19	Explosive atmospheres - Part 0: Equipment - General requirements
CSA C22.2 No. 60079-1:16 - Third Edition	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
CAN/CSA-C22.2 No 60079-11:14	Explosive Atmospheres - Part 11: Equipment protection by intrinsic safety 'i'
CAN/CSA C22.2 No. 60079-7:16 - Second Edition	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
CSA C22.2 No. 60079-31:15 - Second Edition	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"



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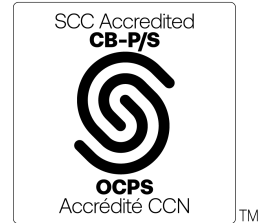
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Notes:

Products certified under Class(es) C225802, C225803, C225804 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
80231678	2026-07-13	Update to Report 1406494 to upgrade the Applicable Requirements, update Descriptive Documents List, and modify the HazLoc markings. Additionally, the obsolete model TMT142 is removed.
70182308	2018-06-05	Update to report 1406494 to add an surge protect option to Type iTEMP TMT162 with HART7
70130467	2018-01-19	Update to report 1406494 to add Type iTEMP TMT162 with HART7; drawing changes.
2112862	2009-03-12	Update to TMT142 & 162 Series to include alt. main board circuit and upgrade to CAN/CSA C22.2 No. 61010-1-04
2081937	2008-11-24	Update to cover report corrections and drawings revisions
1787904	2006-05-12	Update to consolidate/transfer report 1701691 (I.S) into 1406494
1681341	2005-06-20	CSA Certification of Temperature Transmitter for Explosion-proof Hazardous Locations
1575087	2004-10-29	Update to include C22.2 No. 1010.1-92 for installation in ordinary locations, iTEMP Type TMT162
1516274	2004-01-28	Update to cover drawings revisions per letter of Nov. 14, 2003.
1406494	2003-08-13	Original Certification.