



Certificate of Compliance

Certificate: 70190447

Master Contract: 200600

Project: 80082275

Date Issued: 2021-10-21

Issued To: Endress+Hauser Wetzer 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: *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

The temperature transmitter TMT71, TMT72, TMT71 DIN-rail, TMT72 DIN-rail, TMT82, TMT82 DIN-rail, TMT84, TMT85, TMT31 and F2058HRTD is a two-wire transmitter with analogue output.

Model TMT72, TMT72 DIN-rail, TMT82 and TMT82 DIN-rail will be programmed by Hart® - Protocol
Model TMT71, TMT71 DIN-rail, TMT84, TMT85, TMT31 and F2058HRTD will be programmed by PC

Ratings: TMT71, TMT72
(optional with field housing
TA30A, TA30D, TA30H):

10-36 Vdc, (absolute values)
Max. current 23 mA



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TMT71 DIN rail, TMT72 DIN rail:	10-36 Vdc, (absolute values) Max. current 23 mA
TMT82 (optional with field housing TA30A, TA30D, TA30H, two chamber housing):	11-42 Vdc, (absolute values) Max. current 23 mA
TMT82 DIN rail:	12-42 Vdc, (absolute values) Max. current 23 mA
TMT84 (optional with field housing TA30A, TA30D, TA30H):	9-32 Vdc, (absolute values) Max. current 23 mA
TMT85 (optional with field housing TA30A, TA30D, TA30H):	9-32 Vdc, (absolute values) Max. current 23 mA
TMT31 (optional with field housing TA30A, TA30D, TA30H):	10-36 Vdc, (absolute values) Max. current 23 mA
F2058HRTD (optional with field housing TA30A, TA30D, TA30H):	10-36 Vdc, (absolute values) Max. current 23 mA

Pollution degree 2;
Installation category: DC supplied; OVC I
IP20
IP66, IP67, IP68 (only for models with field housing TA30A, TA30D, TA30H)
IP66, IP67 (only for model TMT82 with two chamber housing)
Extended: -40 to +85 °C
Altitude up to 4000 m
Rel. humidity up to 95%



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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





Conditions of Acceptability:





- 1 For model TMT71, TMT72, TMT71 DIN-rail, TMT72 DIN-rail TMT82, TMT82 DIN-rail, TMT84, TMT85, TMT31 and F2058HRTD: 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, TMT82, TMT31 and F2058HRTD 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.





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MARKINGS

Input: 10...36V  Current consum.: 23 mA Ext. ord. cd.: TMT71-AAxxxxxxxxxxxxxxxx	Ser.no.: XXXXXXXX		
 Ta = -40...+85°C			
		Endress+Hauser  iTEMP® TMT71-XXXXX/XX Made in Germany 20XX D-87484 Nesselwang	

Input: 10...36V  Current consum.: 23 mA Ext. ord. cd.: TMT72-AAxxxxxxxxxxxxxxxx	Ser.no.: XXXXXXXX		
 Ta = -40...+85°C			
		Endress+Hauser  iTEMP® TMT72-XXXXX/XX Made in Germany 20XX D-87484 Nesselwang	


Endress+Hauser  iTEMP® TMT71 Made in Germany 20XX D-87484 Nesselwang Order code: XXXXXXXX Ext. ord. cd.: TMT71-AAxxxxxxxx Ser. no.: XXXXXXXX Input : 10...36V  Current consum.: 23 mA <hr/> Ta = -40...+85°C <hr/> <hr/> <hr/>
 

Endress+Hauser  iTEMP® TMT72 Made in Germany 20XX D-87484 Nesselwang Order code: XXXXXXXX Ext. ord. cd.: TMT72-AAxxxxxxxx Ser. no.: XXXXXXXX Input : 10...36V  Current consum.: 23 mA <hr/> Ta = -40...+85°C <hr/> <hr/> <hr/>
 

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For electrical connection 030 = 3, 4, 5:

Endress+Hauser 

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W00A Jahr: D-87484 Nesselwang



Order code: XXXXXXXX

Ext. ord. cd.:

Ser. no.: XXXXXXXX

Input:

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Field No.	Order code	Contents	Comment
W00A	TMT8x	e.g. Made in Germany	Country of manufacturing location
Jahr	TMT8x	e.g. 20XX	Year of manufacture
1	TMT82	iTEMP TMT82	Type
	TMT84	iTEMP TMT84	
	TMT85	iTEMP TMT85	
2	-	TMT82-*****	Mandatory order code
	-	TMT84-*****	Mandatory order code
	-	TMT85-*****	Mandatory order code
3	030 = 3, 4, 5	12-42V ---	Input
	030 = 1, 2	11-42V ---	
	030 = 1, 2	9-32V ---	
	030 = 1, 2	9-32V ---	
4	TMT82	Current consum.: 23 mA	Current consumption
	TMT84		
	TMT85		
5	TMT82	Ta = -40...+85°C	Ambient temperature
	TMT84	Ta = -40...+85°C	
	TMT85	Ta = -40...+85°C	
6	TMT82		CE marking w ithout NB
	TMT84		
	TMT85		
7	TMT82		CSA approval mark
	TMT84		
	TMT85		

For electrical connection 030 = 1, 2:


Input:

Ext. ord. cd.:

Ser.no.: XXXXXXXXXXXX

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Other approvals

Endress+Hauser 

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W00A Jahr
D-87484 Nesselwang



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Input: 10...36 V Output: 4...20 mA Current consum.: 23 mA -40°C < Ta < 85°C	Other approvals		123456789012345678 123456789012345678
	Ser. no.: XXXXXXXXXX Ext.ord.cd.: TMT31-CAXXXXXXXXXXXXX	Other approvals	Endress+Hauser iTEMP ® TMT31-XXXX/XXX
Input: 10...36 V Output: 4...20 mA Current consum.: 23 mA -40°C < Ta < 85°C	Other approvals		123456789012345678 123456789012345678
	Ser. no.: XXXXXXXXXX F2058HRTD	Other approvals	4-20mA RTD-Transmitter
Endress+Hauser Wetzer D-87484 Nesselwang Made in Germany 20XX			

Marking Method: The above markings are made via silk screening, die stamping, moulding or on CSA certified or UL recognized adhesive nameplate material compatible with the surface used, or other equivalent permanent means that can pass the label rub test under clause 5.3.



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
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