



# Certificate of Compliance

**Certificate:** 2667545

**Master Contract:** 200600

**Project:** 80005275

**Date Issued:** 2020-01-29

**Issued to:** Endress + Hauser Wetzler GmbH + Co. KG  
Obere Wank 1  
87484 Nesselwang  
GERMANY

**Attention:** Mrs. Eva Mayr

*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 Brélie*

## PRODUCTS

**CLASS 2252 06-** PROCESS CONTROL EQUIPMENT

**CLASS 2252 86-** PROCESS CONTROL EQUIPMENT - Certified to US Standards

Resistance thermometer (RTD), temperature sensor assembly iTHERM, model TM411, rated 10-42V dc, max current 23 mA 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, Installation Category I.

Resistance thermometer (RTD), temperature sensor assembly iTHERM, model TM412, rated 10-42V dc, max current 23 mA with 4-20mA signal output or rated 9-32V dc, 12mA with Profibus or Fieldbus; Ambient -40 to +85° C (with mounted head transmitter), -20 to +70° C (with mounted head transmitter and display), Pollution Degree 2, Installation Category I.

Resistance (RTD) and Thermocouple thermometer, temperature sensor assembly iTHERM, model TM111, rated 10-42V dc, max. current 23mA with 4-20mA signal output or rated 9-32V dc, 12mA with Profibus or Fieldbus; Ambient -40 to +85° C (with mounted head transmitter), -20 to +70° C (with mounted head transmitter and display), Pollution Degree 2, Installation Category I.



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Resistance (RTD) and thermocouple thermometer, temperature sensor assembly iTHERM, model TM131, rated 10-42V dc max. current 23mA with 4-20mA signal output or rated 9-32V dc, 12mA with Profibus or Fieldbus; Ambient -40 to +85° C (with mounted head transmitter), -20 to +70° C (with mounted head transmitter and display), Pollution Degree 2, Installation Category I.

RTD assemblies in thermowells models T13, T14, T15, T53, T54 and T55, rated 10-42Vdc, max. current 23 mA with 4-20mA signal output; or rated 9-32V dc, 12mA with Profibus or Fieldbus. Ambient -40 to +85° C (with mounted head transmitter), -20 to +70° C (with mounted head transmitter and display), Pollution Degree 2, Installation Category I.

### **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 (3<sup>rd</sup> 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.

### **APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 61010-1-12 - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

UL Std. No. 61010-1 (3<sup>rd</sup> Edition) - Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements

### **MARKINGS**

See Report



## *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**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80005275	2020-01-29	Update to Report 2667545 to add new model type T13, T14, T15, T53, T54 and T55.
70192959	2018-11-29	Update to Report 2667545 for addition of models TM111 and TM131, evaluated to C22.2 No 61010-1-12 / UL 61010-1 (3 <sup>rd</sup> Edition). Evaluation includes upgrade of original report from 2 <sup>nd</sup> to 3 <sup>rd</sup> edition – Classes 2252 06, 2252 86.
2667545	2013-12-20	Original Certification for temperature assembly iTHERM, models TM411 and TM412