



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Endress+Hauser Wetzer GmbH & Co.KG
Address	Obere Wank 1, Nesselwang, 87454, Germany
Place of Production	Endress+Hauser Sicestherm S.r.L. Via Martin Luther King 7, Pessano, Milan, 20042, Italy
Type	Temperature Sensors
Description	Modular and robust RTD or TC thermometer
Trade Name	TM111, TM131, TM151, TM611
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3, ENV4 (RTD StrongSens only, except TM611) and ENV5 (Stainless steel housing only) as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2021.
Specified Standard	EN 61010-1:2010
Ratings	Immersion length: without fixation $\leq 200\text{mm}$; longer, fixation every 200mm Neck length: TM111: $\leq 38\text{mm}$ (Lagging Length T); TM131 and TM151: $\leq 80\text{mm}$ (Lagging Length T + Removable Neck Length E) with $d=11\text{mm}$, $\leq 100\text{mm}$ (Lagging Length T + Removable Neck Length E) with $d=12\text{mm}$, for housing TAH30H 316L $\leq 38\text{mm}$ (Lagging Length T);

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A member of the Lloyd's Register group

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TM611: 43mm (angle <90°), 55mm (angle 90°)

Other Conditions

Ratings for application in hazardous areas are to be obtained from the applicable Ex Certificates.

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document HPC2362042-24/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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