



Marine & Offshore

Certificate number: 75057/A0 BV

File number: AP5005

Product code: 3812H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

Endress + Hauser Wetzer GmbH & Co. KG
Nesselwang - GERMANY

for the type of product

TEMPERATURE SENSORS / PROBES / TRANSDUCERS

Temperature transmitter
ITEMP TMT82

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships
EC Code: 31, 41 and 33, 43 (see item 4.3)

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 09 Jan 2029

For Bureau Veritas Marine & Offshore,
At BV HAMBURG, on 09 Jan 2024,
Dirk Hoepfner

This certificate was created electronically and is valid without signature



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

The **iTEMP TMT82** is a dual-input temperature transmitter for RTD/TC sensors with HART communication and 4 to 20 mA output signal for the installation in a field housing (Terminal head Form B) or as DIN rail mounting device.

1.1 - Variants: (According order code dated 25.10.2023)

Type: iTEMP TMT82-**aa b c d ee ff gg hh**

aa = Approval:	Any two letter/number combination
b = Communication, Output:	A
c = Electrical connection:	1, 2, 3, 4
d = Field housing:	A, B, C, D, E, F, G, H, I, J, K, L, M
ee = Input configuration:	A1, A2, A3, A4, B1, B2, B3, B4, C1, C2, D1, D2, D3
ff = Sensor input 1:	A1, A2, A3, A4, B1, C1, C2, D1, D2, D3, D4, D5, E1, E2, F1, F2, F3, TA TB, TC, TD, TE, TJ, TK, TL, TM, TN, TR, TS, TT, TU
gg = Sensor input 2:	AA, A1, A2, A3, A4, B1, C1, C2, D1, D2, D3, D4, D5, D6, E1, E2, F1, F2, F3, G1, TA TB, TC, TD, TE, TJ, TK, TL, TM, TN, TR, TS, TT, TU
hh = Input interconnection:	A1, A2, A3, A4, A5, A6

2. DOCUMENTS AND DRAWINGS :

- Operating Instruction: BA01028T/09/EN dated 2022-04-04; Technical Information: TI01010T/09/EN dated 2022-03-31
- Order code dated 25.10.2023
- 10000004492 Vers. D dated 2022-07-25; 10000004493 Vers. C dated 2022-07-25; 10000004708 dated 2012-06-04
- Assembly: 340501010-600 dated 21.07.2014; 340501020-600 dated 27.06.2014; CAE000030-XXXXX-600 dated 06.11.2018; CAE000121-XXXXX-600 dated 17.09.2018; 340501010-620 dated 21.07.2014; 340501020-620 dated 20.08.2014; CAE000121-XXXXX-620 dated 31.03.2017
- DEKRA 11ATEX0265 Issue: 5 dated 17 Oct 2022; IECEx DEK 11.0096 Issue: 4 dated 2022-10-17

3. TEST REPORTS :

- PAConsult: 22DE-00857C dated 2023-03-29; 22DE-00858B dated 2023-03-23; 23DE-00822 dated 2023-12-19
- MTN: 073375.013.23 V1.0 dated 22.02.2023; 073375.017.23 V1.0 dated 21.03.2023

4. APPLICATION / LIMITATION :

- 4.1 - Bureau Veritas Rules for the Classification of Steel Ships
- 4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
- 4.3 - Bureau Veritas Environmental Category, **EC Code: 31, 41 and 33, 43** (for head transmitter in a field housing)
- 4.4 - Equipment covered by this Type Approval certificate has been tested according to requirements of IACS UR E10 rev 8.
- 4.5 - The installation shall comply with the Manufacturer's recommendation described in the above-referenced documentation.
- 4.6 - A display is not covered by this certificate.
- 4.7 - Ex-certification is not covered by this certificate. Applications in hazardous areas are to be approved in each case according to the Rules and Conditions for Safe Use specified in a valid Ex-Certificate issued by a Notified Body.

5. PRODUCTION SURVEY REQUIREMENTS :

- 5.1 - The above mentioned sensors are to be supplied by **Endress + Hauser Wetzer GmbH+Co. KG** in compliance with the type described in this certificate.
- 5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
- 5.3 - **Endress + Hauser Wetzer GmbH+Co. KG** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products :
- 5.4 - For information, **Endress + Hauser Wetzer GmbH+Co. KG** has declared to Bureau Veritas the following production site:

Endress + Hauser Wetzer GmbH+Co. KG
Obere Wank 1
87484 Nesselwang
GERMANY

6. MARKING OF PRODUCT :

- Maker's name or trademark
- Equipment type or model identification
- Date of manufacture and/or serial number
- Ex marking, as relevant

7. OTHERS :

7.1 - It is the responsibility of **Endress + Hauser Wetzer GmbH+Co. KG** to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

***** END OF CERTIFICATE *****