



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAA0000145
Revision No:
5

This is to certify:

that the **Peripheral Equipment**

with type designation(s)
Process transmitter, type RMA42

issued to

Endress+Hauser Wetzer GmbH+Co. KG
Nesselwang, Bayern, Germany

is found to comply with
DNV rules for classification – Ships

Application:

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Location classes:

Temperature	B
Humidity	B
Vibration	A
EMC	A
Enclosure	A (Top-hat rail housing)

Issued at **Hamburg** on **2026-07-06**

This Certificate is valid until **2031-07-18**.

DNV local unit: **Augsburg**

for **DNV**

Approval Engineer: **Holger Jansen**

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

Process transmitter with control unit and visualizing analog measured values.

Power supply	24 to 230V AC/DC
Input	One or two universal inputs (measured variable: current, voltage, resistance, resistance thermometer, thermocouples)
Output	One or two analog outputs, galvanically isolated. Connected sensors can be powered by the integrated transmitter power supply system
Display	LC-display with 5-digit (display range -99999 to +99999)
Housing	Plastic PC-GF10 FR
Mounting location	Mounting on top-hat rail as per IEC 60715

Configuration: with FieldCare PC Software
Firmware release: V01.03.xx

Application/Limitation

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV RU SHIP Pt.4 Ch.9 Sec. 1.
The Vibration test was performed with end brackets.

Type Approval documentation

Tests carried out

Applicable tests according to Class Guideline DNV-CG-0339, August 2021.
Ex-certification is not covered by this certificate. Application in hazardous areas to be approved in each case according to the Rules and Ex-Certification/ Special Condition for Safe Use listed in valid Ex-certificate issued by a notified/recognized Certification Body.

Marking of product

The products to be marked with:

- manufacturer name
- device name
- serial number.

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the assessment are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines
- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE