Certificate No: LR2661454MR
Issue Date: 07/02/2026
Expiry Date: 06/02/2031

European Union Recognised Organisation (EU RO) Mutual Recognition Type Approval Certificate in accordance with Article 10.1 of EU Regulation 391/2009.

This is to certify to the Manufacturer named below, that the Product referred to herein has been inspected for the Manufacturer, pursuant to the relevant requirements of the European Union Recognised Organisation Mutual Recognition procedure, required by Article 10.1 of EU Regulation 391/2009, and has been found in accordance with those requirements. The most demanding and rigorous standard from all EU ROs has been taken as a reference for the development of the Technical Requirement on which present certificate is based.

This certificate is issued to:

Manufacturer	**WIKA Instrumentation (Suzhou) Co., Ltd.**
Address	81, Ta Yuan Road, SND, Suzhou City, 215100, China
Product Type	Pressure Gauges - Transmitters
Description	Differential pressure transmitter UTD-10 Process pressure transmitter UTP-18
Trade Name	UTD-10, UTP-18
Application	Applicable for a ship as defined in Mutual Recognition provisions Article 10 Regulation on Common Rules and Standards for Ship Inspection and Survey Organizations.
Specified Standard	EU RO Mutual Recognition Technical Requirements, Tier 5 – PRESSURE GAUGES – TRANSMITTERS (Version 0.3/ 01 January 2025)
Ratings	Voltage supply: 24V DC Output: 4-20mA/Hart

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Ning Guan

Electrical & Control Technical Manager - Southeast Asia & Great China to Lloyd's Register Classification Society (China) Co.,

Room 02-05, 48F, Raffles City Shanghai Office Tower, No.268 Xi Zang Middle Road, Huangpu District, Shanghai, 200001, China

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Operating temperature: -40°C~80°C
IP rating: IP67
Explosion proof type: Ex ia IIC T4 Ga, Exdb IIC T6...T4 Gb, Ex tb IIIC T85℃ Db
Measuring range:
UTD-10:
D140: -4 ... +4 kPa
D210: -10 ... +10 kPa
D240: -40 ... +40 kPa
D310: -100 ... +100 kPa
D340: -400 ... +400 kPa
D410: -500 ... +1000 kPa
D440: -500 ... +4000 kPa

UTP-18:
V220: -10 ... +10 kPa gauge
V280: -40 ... +40 kPa gauge
V320: -100 ... +100 kPa gauge
V350: -100 ... +400 kPa gauge
A210: 0 ... 10 kPa abs.
A240: 0 ... 40 kPa abs.
A310: 0 ... 100 kPa abs.
A340: 0 ... 400 kPa abs.
V411: -0.1...+1 MPa gauge
V441: -0.1...+4 MPa gauge
V510: -0.1...+10 MPa gauge
V520: -0,1...+20 MPa gauge
V540: -0.1...+40 MPa gauge
V570: -0.1 MPa ... 70 MPa gauge
A410: 0 ... 1 MPa abs.
A440: 0 ... 4 MPa abs.
A520: 0 ... 20 MPa abs.

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European Union Recognised Organisation (EU RO) Mutual Recognition Type Approval Certificate in accordance with Article 10.1 of EU Regulation 391/2009.

Special Conditions

Specific Conditions of Use stated in applicable Ex-certificates and the conditions of the LR Rules & Regulations for the Classification of Ships, Part 6, Chapter 2 shall be observed when installed in hazardous areas.
The Ex certification does not form part of this certificate.

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 Classification Society (China) Co., Ltd. of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2661454MR and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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European Union Recognised Organisation (EU RO) Mutual Recognition Type Approval Certificate in accordance with Article 10.1 of EU Regulation 391/2009.

When a product is presented with this EU RO MR Type Approval Certificate for given application, its acceptability with regards to the limitations stated in the certificate conditions defined in 1b, 1c and 1d of the applied Technical Requirement will be evaluated by the EU RO in charge of classing the ship or being in charge of the unit/system certification.

In accordance with Article 10 of Regulation (EC) No 391/2009 of the European Parliament and of the Council of 23 April 2009 "on common rules and standards for ship inspection and survey organizations", the following organizations, recognized by the EU on this date, have agreed on the technical and procedural conditions under which they will mutually recognize this certificate:

- *American Bureau of Shipping (ABS);*
- *Bureau Veritas (BV);*
- *China Classification Society (CCS);*
- *Croatian Register of Shipping (CRS);*
- *DNV GL;*
- *Indian Register of Shipping (IRS);*
- *Korean Register (KR);*
- *Lloyd's Register Group Ltd. (LR);*
- *Nippon Kaiji Kyokai General Incorporated Foundation (ClassNK);*
- *Polish Register of Shipping (PRS);*
- *RINA Services S.p.A. (RINA).*

The scheme for the mutual recognition of class certificates for materials, equipment and components laid down by Article 10(1) of Regulation (EC) No 391/2009 is only enforceable within the Union in respect of ships flying the flag of a Member State. As far as foreign vessels are concerned, the acceptance of relevant certificates remains at the discretion of relevant non-EU flag States in the exercise of their exclusive jurisdiction, notably under the United Nations Convention on the Law of the Sea (UNCLOS). (In accordance with COMMISSION IMPLEMENTING REGULATION (EU) No 1355/2014 amending Regulation (EC) No 391/2009 - recital (25)).

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