

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Miscellaneous Transmitter**

with type designation(s)

WTZ-280-C, YSZK-01G-C, YSZK-01G-C-B, WZPK-22I-C, WZPK-22I-C-B, YWK-50-C

Issued to

**Taixing Thermal Meters Factory Co., LTD.
Taixing City, China**

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft**Application :****Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.**

Type	Temperature	Humidity	Vibration	EMC	Enclosure
WTZ-280-C	A	A	A	B	IP65
YSZK-01G-C	A	A	A	B	IP66
YSZK-01G-C-B	A	A	A	B	IP66
WZPK-22I-C	A	A	A	B	IP66
WZPK-22I-C-B	A	A	A	B	IP66
YWK-50-C	A	A	A	B	IP44

Issued at **Hamburg** on **2020-10-12**This Certificate is valid until **2025-10-11**.for **DNV GL**DNV GL local station: **Jiangyin NB & CMC**Approval Engineer: **Marco Rinkel****Joannis Papanuskas
Head of Section**

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 GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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 300,000 USD.



Product description

WTZ-280-C Pressure Type Thermometer

Measuring Range: 0 ... 100°C
Measuring Accuracy: $\pm 1,5^\circ\text{C}$
Protection Class: IP65

YSZK-01G-C Pressure Transmitter

Power Supply: 24VDC
Measuring Accuracy: $\pm 0,5\%$
Protection Class: IP66

YSZK-01G-C-B Pressure Transmitter

Power Supply: 24VDC
Measuring Accuracy: $\pm 0,5\%$
Protection Class: IP66
Explosion Proof: Ex d IIC T3~T6 Gb (NEPSI GYB20.1755X)

WZPK-22I-C Temperature Transmitter

Measuring Range: -200°C ... $+500^\circ\text{C}$
Measuring Accuracy: Class B
Protection Class: IP66

WZPK-22I-C-B Temperature Transmitter

Measuring Range: -200°C ... $+500^\circ\text{C}$
Measuring Accuracy: $\pm 0,5\%$
Protection Class: IP66
Explosion Proof: Ex d II B T1~T6 Gb (NEPSI GYB20.1756X)

YWK-50-C Pressure Controller

Control Range: 0 ... 4.0 Mpa
Contact Capacity: DC 220V 2.5A / AC380V 3A
Protection Class: IP44

Application/Limitation

The explosion protection as named in the product description is for information only.

Type Approval documentation

Tests carried out

Applicable tests according to Class Guideline DNVGL-CG-0339, Edition November 2016, Revised MARPOL 73/78 Annex VI and Nox Technical Code 2008 and MEPC.259(68).

Marking of product

- manufacturer name
- device name
- serial number

Job Id: **262.1-033805-1**
Certificate No: **TAA00002UZ**

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 and 3,5 years and at renewal of this certificate.

END OF CERTIFICATE