

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Level Switches**

with type designation(s)
UQK

Issued to

Jiangsu Yuanwang Instrument Group Co., Ltd.
Jiangyan City, JIANGSU, China

is found to comply with
DNV GL rules for classification – Ships

Application :

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

Location classes:

Temperature	B
Humidity	B
Vibration	A
EMC	B
Enclosure	B

Issued at **Hamburg** on **2019-10-18**

This Certificate is valid until **2024-10-17**.

DNV GL local station: **Shanghai**

for **DNV GL**

Approval Engineer: **Hagen Markus**

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Olaf Drews
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.



Product description

Float Level Controller

Application/Limitation

Types	Range of control	Ambient temperature	Medium temperature	Assembly drawing
UQK-01-C(-B)	10 up to 30 mm	- 20°C to +60°C	T3: <180°C	UQK-01-C-B-000
UQK-02-C(-B)	25 up to 550 mm		T4: <120°C	UQK-02-C-B-000
UQK-03-C(-B)	8 up to 1000 mm		T5: < 85°C T6: < 70°C	UQK-03-C-B-000
Output	1 c/o – contact, rating: 1.5 A, max. 230 V AC			
Explosion proof	Ex ia II CT4/T5/T6 Ga (NEPSI GYB13.1912X)			
	Ex d II CT3 ~ T6 Gb (NEPSI GYB11.1842)			

Types	Range of control	Ambient temperature	Medium temperature	Assembly drawing
UQK-651-C(-B)	20 up to 70 mm	- 20°C to +60°C	T3: <180°C, T4:<120°C, T5: < 85°C, T6: <70°C	UQK-651-C-B-00
UQK-652-C(-B)	10 up to 40 mm			UQK-652-C-B-00
Output	1 c/o - contact, rating: 1 A, max. 440 V AC			
Explosion proof	Ex ia II CT3 ~ T6 (NEPSI GYB111580)			
	Ex d II C T4 ~ T6 (NEPSI GYB111571)			
Degree of protection	IP 66 and IP 68 (1.5m, 45min.)			

Housing of float material	Stainless steel, 1Cr 18Ni9Ti (GB 1220-75)
Pressure	max. 1Mpa
Media / specific gravity	Oil and water / 0.8 - 1.2

Type Approval documentation

Tests carried out

Applicable tests according to class guideline DNVGL-CG-0339, November 2016.

Job Id: **262.1-032407-1**
Certificate No: **TAA00002GA**

Marking of product

Each float level controller is provided with a name plate.

Scope	Example
Manufacturer name	Jiangsu Yuanwang Instrument Group Co., Ltd.
Type	 UQK-xxx-C-B Ex.Proof Float Level Controller
Working pressure	1MPa
Protection	IP6x
Contact rating	Acc. to order
Appl.No	
Ser.No. of EXProof Cert	
Enclosure	
No. / Date	

Periodical assessment

For retention of the Type Approval, a DNV GL Surveyor shall perform periodical assessment after two years (+/- 90 days) and after 3.5 years (+/- 90 days) to verify that the conditions for the Type Approval are complied with. Refer to the Class Programme DNVGL-CP-0338, Sec.4.

End of certificate