

# TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the DNV GL Type Approval System.

Certificate No.	<b>60 394 - 09 HH</b>
Company	<b>Jiangsu Yuanwang Instrument Co., Ltd.</b> <b>West Industrial Area, Qintong Town,</b> <b>Taizhou City, Jiangsu Province, 225508, P.R. CHINA</b>
Product Description	<b>Measuring and Alarm Devices</b>
Type	<b>HB-SPCG, UWKS, UKS, WBS, QPS, UHB-2, YSZK-LB, WZPK, YSZK, UHB</b>
Environmental Category	<b>C, EMC1</b>
Technical Data / Range of Application	<b>HB-SPCG Self Powered Content Gauge:</b> <b>Measuring Range: 0 - 40m</b> <b>Measuring Accuracy: ±1,5% F.S.</b> <b>Protection Class: IP44</b>  <b>UWKS Cargo Water Ingress Alarm Device:</b> <b>Power Supply: AC220V DC24V</b> <b>Measuring Accuracy: ±20mm.</b> <b>Protection Class: IP68 (transmitter), IP44 (control panel)</b> <b>Approval Standard: Resolution MSC 188 (79)</b>  <b>UKS Tank Level Alarm Device:</b> <b>Power Supply: AC220V DC24V</b> <b>Measuring Accuracy: ±20mm.</b> <b>Protection Class: IP68 (transmitter), IP44 (control panel)</b>
Test Standard	<b>GL Guidelines for the Performance of Type Approvals, Chapter 2 – Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012</b>
Documents	<b>Test report : Sitiiias A04-020-ZC-01, 02, 03, ; Sitiiias A07-049-ZC-01, 02, 03; Sitiiias C05-154-WT-02; Sitiiias A07-055-ZC-01, 02, 03; 2014-018; Z-2014-XT</b>
Remarks	<b>This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 – Procedure (VI-7-1), Edition 2007</b>

Valid until **2019-03-29**

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**WBS Pump Room Temperature Monitoring and Alarm Device**

**Power Supply: AC220V DC24V**

**Measuring Range: 0 - 200°C**

**Measuring Accuracy:  $\pm 1,0^\circ\text{C}$**

**Protection Class: IP68 (transmitter), IP44 (control panel)**

**QPS Pneumatic Type Remote Level Gauging Device:**

**Power Supply: AC220V DC24V**

**Measuring Range: 0 - 40m**

**Measuring Accuracy:  $\pm 1,5\%$  F.S.**

**Protection Class: IP44**

**UHB-2 Float Type Level And Temperature Gauging Device:**

**Power Supply: AC220V DC24V**

**Measuring Range: 0 - 30m / 0 - 100°C**

**Measuring Accuracy:  $\pm 10\text{mm}$  (for liquid level),  $\pm 0,5\%$  F.S.**

**Protection Class: IP66 (transmitter), IP44 (control panel)**

**YSZK-LB Pressure Type Level Gauging Device:**

**Power Supply: AC220V DC24V**

**Measuring Range: 0 - 30m**

**Measuring Accuracy:  $\pm 0,5\%$  F.S.**

**Protection Class: IP66 (transmitter), IP44 (control panel)**

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**WZPK Temperature Transmitter:**

**Working Temperature: -20 to +80°C**

**Measuring Accuracy: ±0,5% F.S.**

**Protection Class: IP66**

**Explosion proof: Ex ia II CT1/T2/T3/T4/T5/T6/530°C Ga (NEPSI GYB13.1913X)**

**Ex d II CT4 ~ T6 Gb (NEPSI GYB13.1895X)**

**YSZK Pressure Transmitter:**

**Working Temperature: -20 to +80°C**

**Measuring Accuracy: ±0,5% F.S.**

**Protection Class: IP68**

**Explosion proof: Ex ia II CT4 ~ T6 (NEPSI GYB111581X)**

**Ex d II CT4 ~ T6 Gb (NEPSI GYB13.1894X)**

**UHB Level Transmitter:**

**Working Temperature: -20 to +100°C**

**Measuring Accuracy: ±10mm**

**Protection Class: IP66**

**Explosion proof: Ex ia II CT4/T5/T6 Ga (NEPSI GYB13.1914X)**

**Ex d II CT4 ~ T6 Gb (NEPSI GYB13.1896X)**

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