Certificate No: LR2003274TA
Issue Date: 03/12/2019
Expiry Date: 02/12/2024

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	**Taizhou Huatai Ship Instrument Co., Ltd**
Address	Chengzhong Village, Luotang Street, Jiangyan District, Taizhou City, Jiangsu Province, China
Place of Production	Taizhou Huatai Ship Instrument Co., Ltd Chengzhong Village, Luotang Street, Jiangyan District, Taizhou City, Jiangsu Province, China
Type	Level Gauges
Description	Flat type glass level gauge Magnetic float type level gauge Self-powered content gauge Float level controller
Trade Name	ULB-3A-C\ULB-3B-C UHZ-511Z-C\UHZ-512Z-C\UHZ-515Z-C HB-SPCG-V150-C \HB-SPCG-150S-C UQK-01-C\UQK-652-C
Type	Level Controller
Description	Flat type glass level gauge Magnetic float type level gauge Self-powered content gauge

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Andy Zhang

Senior Machinery Specialist to Lloyd's Register Classification Society (China) Co Ltd
A member of the Lloyd's Register group

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Float level controller

Trade Name

ULB-3A-C\ULB-3B-C UHZ-511Z-C\UHZ-512Z-C\UHZ-515Z-C HB-SPCG-V150-C \HB-SPCG-150S-C UQK-01-C\UQK-652-C

Application

Used as tank level indication for water, fuel oil,lubricating oil and other liquids which have a flash point above 65 ^{0}C.

Specified Standard

Lloyd's Register (LR) Rules and Regulations for the Classification of Ships, July 2018
GB/T 3746-1996
HG2742-1995-T
Maker's standard:Q/321284NHT01-2015\ Q/321284NHT01-2016

Ratings

SeeAppendix

Other Conditions

For application on a Lloyd's Register (LR) classed vessel, the following conditions are to be complied with:-
1. When used inflammable oil systems, the level gauges are subject to the following conditions:-
a. In passenger ships, they are not to require penetration below the top of the tank and their failure or overfilling of the tanks is not to permit release of oil fuel.
b. In cargo ships, their failure or overfilling of the tank is not to permit release of fuel into the space.
c. Their glasses are to be made of heat-resistant material and efficiently protected against shocks.
2. The installation on board ships has to comply with Regulations II-2/4.2.2.3,II-2/4.2.3 of SOLAS 1974/97 as amended and with the applicable Lloyd's Register Rules.

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3. The selection of the devices for the corresponding services and correct installation are also to be in accordance with the Manufacturer's instruction.
4. Where level gauges are intended to be used in Class II piping systems, materials are to be manufactured and tested in accordance with the appropriate requirements of the Rules for Materials.

Materials for level gauges including isolation or sealing components used for self-closing valves sensitive to heat,are not to be used in space where leakage or failure caused by fire could result in fire spread, flooding or the loss of an essential service as per Part 5, Chapter 12, Section 6.1.3 of the Rules.

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. LR2003274TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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