DNV·GL

Certificate No:
TAA000007J

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Level Indicator

with type designation(s)
RLG-HP- Series

Issued to
HANLA IMS CO.,LTD.
Busan, Republic of Korea

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards

Application :

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

Temperature	**B**
Humidity	**B**
Vibration	**A**
EMC	**N/A**
Enclosure	**Required protection according to the Rules to be provided upon installation on board**

This Certificate is valid until **2020-06-30**.

Issued at **Busan** on **2015-12-17**

for **DNV GL**

DNV GL local station: **Pusan**

Approval Engineer: **Byoung So Lee**

Baeg Soon Choi
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.

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Product description

RLG-HP-Series reflex type water level gauge with optional illumination, designed for use on boilers and pressure vessels.
Design temperature: 250 ºC
Design pressure: 16 bar, 20 bar

Application/Limitation

The Type Approval covers hardware listed under Product description. When the hardware is used in applications to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system in each case. Reference is made to DNV Rules for Ships Pt.4 Ch.9 Control and Monitoring Systems.

Type Approval documentation
Tests carried out

- Applicable tests according to Standard for Certification No. 2.4, April 2006.
- Hydrostatic pressure tested to two times the design pressure.

Marking of product

RLG-HP-22, RLG-HP-C22, RLG-HP-CK22

Periodical assessment

The scope of the retention/renewal survey 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 survey 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

Retention survey is to be performed at least every second year and at renewal of this certificate.

END OF CERTIFICATE