



**TYPE APPROVAL CERTIFICATE**  
No. ELE068021PU/002

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>Magnetic float, optical level indicator</b>
<i>Type</i>	<b>KD-MLG</b>
<i>Applicant</i>	<b>KUK DONG LEVEL CO. 18, DADAE-RO 354BEONAN-GIL, SAHA-GU 49469 BUSAN, REPUBLIC OF KOREA</b>
<i>Manufacturer</i>	<b>KUK DONG LEVEL CO.</b>
<i>Place of manufacture</i>	<b>18, DADAE-RO 354BEONAN-GIL, SAHA-GU 49469 BUSAN, REPUBLIC OF KOREA</b>
<i>Reference standards</i>	<b>"RINA Rules for the Classification of Ships - Part C, Machinery, Systems and Fire Protection - Chapter 3, Section 6 , table 1"</b>

Issued in **BUSAN** on **June 16, 2021**. This Certificate is valid until **June 15, 2026**



RINA Services S.p.A.  
Young-Kwang Kim

This certificate consists of this page and 1 enclosure

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KD-MLG

### Product Description

- Model KD-MLG magnetic float level indicator

#### Operating principle:

Layer of individual small pieces of magnetic rotor (indicators), of which, a face is coloured red and the other is white. As the liquid level changes up or down, each magnetic rotor turns and shows white or red by magnetic force of magnet built-in float. Indicator rotors display totally red for liquid part and totally white for vacant part.

Installation: side-side mounting

Application: water and oil tanks

Working temperature: 150°C (max)

Working pressure: 5 Kg/ cm<sup>2</sup> (max)

### Reference Documents

- Specification: Kukdong Level Catalogue document no. 051.208.1929  
Drawing – KD-LG-031
- Test Reports: KIMM Test Report no. IM3400250 dated 14/12/1998 and No. 2000080220 dated 04/05/2000
- Test for Renewal: Visual Inspection & Function Test at Kukdong Level dated 29/06/2021
- Asbestos-free Declaration: Kukdong Level document dated 13/06/2016

### Note/Remark

- The product is subject to the compliance with RINA Rules and Standards mentioned on the certificates
- Type Approval certifies that a representative sample of the product has been found to meet the applicable design criteria
- Any modification or change shall not be valid until approval is granted by RINA as a result of due assessment
- Installation of level gauges are to be in accordance with [2.9.2] of RINA Rules Pt C, Ch 1, Sec 10

### Renewal/Revision

- initial certification. Certificate No. ELE160606CS/03
- 15/06/2011: renewed without design change. New certificate No. ELE156411PU/003 revokes previous certificate
- 17/06/2016: renewed without design change. New certificate No. ELE111816PU/003 revokes previous certificate
- 17/06/2021: renewed without design change. New certificate No. ELE068021PU/002 revokes previous certificate

BUSAN June 16, 2021



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