Certificate No: **2610121054046354**
TL Project No: **25-1082**

TYPE APPROVAL CERTIFICATE

This is to certify that the

Level Transmitter

Manufacturer : **HACI AYVAZ ENDÜSTRİYEL MAMULLER SANAYİ VE TİCARET ANONİM ŞİRKETİ**

Address : **Hadımköy Atatürk Sanayi Bölgesi, Hadımköy, Mustafa İnan Cd. No: 44, 34555 Arnavutköy/İstanbul**

Product Type : **C4**

Reference Rule : **TL Rules, Part E, Chapter 103 - Metallic Materials, Special Materials for Naval Ships, 01.01.2022**

TL Rules, Part E, Chapter 105 - Naval Ship Technology, Electrical Installations, 01.01.2022

TL Rules, Part E, Chapter 107 - Naval Ship Technology, Ship Operation Installations and Auxiliary System, 01.01.2022

TL Rules, Part B, Chapter 5, Electric , 01.01.2024

TL Rules, Part A, Chapter 2, Material, 01.07.2024

TL Rules, Part B, Chapter 4, Machinery, 01.07.2024

IACS UR E10 Rev.9 , 09.08.2023

Subject to the conditions referred to in the following pages, this certificate is valid until **14.04.2030**
Surveyor: **Abdullah DEMİRCİ**
-

Issued at **İstanbul** on **12.10.2026**

This document is electronically signed and does not require a manual signature

Click here for the verification website

Emrah SÖĞÜTÇÜ
New Building Division Manager
TÜRK LOYDU

Expire Date of Previous Certificate: 14.04.2025
This certificate supersedes 2603171610456354 numbered certificate.

For Information Only

This certificate is subject to terms and conditions described below:
Any significant change in design or construction may render this Certificate invalid. Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.

Product Description	**: C4 Float Switch For Horizontal Mounting: A change of liquid level moves the float , this causes the float magnet to move and push the other inner permanent magnet to give the snap action operation of the micro switch.**
Type Designation	**: C4 Level Switch**
Material Used	**: Flange: PN6 Stainless Steel and PN16 Carbon Steel** **Float: Stainless Steel** **Cover: Aluminium Injection with anti-corrosive teflon coated** **Other Parts: Stainless Steel** **Sensor System: Permanent Magnet and Micro Switch (16A)** **Gasket for protection from water and dust: rubber o-ring**
Size	**: C4-PN6, C4-PN16**
Approval No / Date	**: PAE-EPAS/022960/25-1082/NB/07.11.2025** **PAE-EPAS/021629/25-1082/VA/18.06.2025**
Documentation	**: Environmental Test Reports, Issued By LNE LABORATOIRE NATIONAL D'ESSAIS, Report Nr.: Dossier A030142- Document CLE/2 (Pg.33)**
Performed Tests	**: Quality Audits** **Review of Calibration and Sub Component Certificate** **Review of IP Degree Test Report** **Control According to Approved Documentations** **Visual Inspection** **Performance Test** **Functional Testing During Environmental Test Sequences** **Vibration Test** **Insulation Resistance Test** **Damp Heat Test** **Dry Heat Test** **Low Temperature Test** **Dielectric Withstand Test** **High Temperature Test** **Salt Mist Test**
Test Place	**: Atatürk San. Bölgesi, Hadımköy Mh. Mustafa İnan Cd. No.:44 Arnavutköy/İstanbul**
Last Inspection Date	**: 26.01.2026**
Application/Limitation	**: * Magnetic Level Switches Type C-4 may not be used for oil and liquid fuel tanks on board passenger ships where penetration below tank top would be necessary.** *** Not Allowed to use in hazardos areas where there is explosion risks existing.**
Approval Conditions	**: -**

For Information Only