Certificate No: LR2522263TA
Issue Date: 11/03/2025
Expiry Date: 10/03/2030

# 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** | **IDEC Corporation** |
| **Address** | 2-6-64, Nishimiyahara, Osaka-shi, Osaka, 532-0004, Japan |
| **Place of Production** | IDEC CORPORATION Amagasaki Plant<br>5-8-10 Shioe, Amagasaki-shi, Hyogo, 661-0976, Japan |
| **Place of Production** | IDEC IZUMI TAIWAN CORPORATION<br>No.87, Shuiguan Rd., Renwu Dist., Kaohsiung City, 81465, Taiwan |
| **Place of Production** | CANON ELECTRONICS INC. Akagi Plant<br>2167 Morishita, Showa-mura, Tone-gun, Gunma, 379-1297, Japan |
| **Type** | Control Units |
| **Description** | HG2G-V<br>Display: 5.7” VGA TFT Color”<br>Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD<br><br>HG3G-V8<br>Display: 8.4” XGA TFT Color”<br>Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD, Audio Out, Video IN x2<br><br>HG3G-VA<br>Display: 10.4” XGA TFT Color"<br>Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD, Audio Out, Video IN |

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**Masaharu Nakayama**

Electrical & Control - Senior Specialist to
Lloyd's Register Group Limited
A member of the Lloyd's Register group

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# Type Approval Certificate

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|---|---|
| | x2<br><br>HG4G-V<br>Display: 12.1" XGA TFT Color"<br>Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD, Audio Out, Video IN x2 |
| **Trade Name** | LCD Display with touch panel, HG-V Series Operator interface |
| **Application** | Marine and offshore applications for use in environmental categories ENV1, ENV2 and ENV3 in the "General Power Distribution Zones" as defined in LR Type Approval System Test Specification No. 1-2024 where the Test Specification is satisfactory for the intended operation. |
| **Ratings** | HG2G-V: 24VDC/18W<br>HG3G-V8: 24VDC/22W<br>HG3G-VA: 24VDC/25W<br>HG4G-V: 24VDC/25W<br>HG5G-V: 24VDC/27W |
| **Other Conditions** | - The certificate attests to the hardware's suitability for the environmental categories stated.<br>- Suitability of the software and system configuration is subject to a separate plan appraisal according to the Lloyd's Register Rules and Regulations when placed on Lloyd's Register classed vessels. |

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 Group Limited of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** LR2002260TA

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# Type Approval Certificate

The Design Appraisal Document LR2522263TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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