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Certificate No:

LR2002260TA

1 of 2

Issue Date:

11/03/2020

Expiry Date:

10/03/2025

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, Yodogawa-Ku, Osaka, 532-0004, Japan

Place of Production

IDEC CORPORATION Amagasaki Plant

5-8-10 Shioe, Amagasaki-shi, Hyogo, 661-0976, Japan

Place of Production

IDEC IZUMI TAIWAN CORPORATION

No.87, Swi Kuan Road, Chu Hou Village, Jen Wu Country, Kaohsiung, Hsien,

814, Taiwan, R.O.

Place of Production

CANON ELECTRONICS INC. Akagi Plant

2167 Morishita, Showa-mura, Tone-gun, Gunma, 379-1297, Japan

Type

Control Units

Description

LCD Display with touch panel, HG-V Series Operator interface

Trade Name

HG2G-V

Display: 5.7" VGA TFT Color"

Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD

HG3G-V8

Display: 8.4" XGA TFT Color"

Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD, Audio Out, Video IN x2

Toshihiro Shigeno

Innovation / Type Approval Coordinator and Senior Surveyor to Lloyd's Register Group Ltd A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, UK

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Type Approval Certificate

HG3G-VA

Display: 10.4" XGA TFT Color

Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD, Audio Out, Video IN x2

HG4G-V

Display: 12.1" XGA TFT Color"

Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD, Audio Out, Video IN x2

HG5G-V

Display: 15.0" XGA TFT Color"

Interfaces: Serial x2, Ethernet, USB Host, USB Device, SD, Audio Out, Video IN x2

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. 1-2019 where the Test Specification is satisfactory for the intended operation.

Ratings

HG2G-V: 24VDC/18W HG3G-V8: 24VDC/22W HG3G-VA: 24VDC/25W HG4G-V: 24VDC/25W HG5G-V: 24VDC/27W

Additional Tests

IACS Unified Requirement E10 (Rev.7)

Other Conditions

- The certificate attests to the hardware's suitability for the environmental categories stated.
- 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 Ltd of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. LR2002260TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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