

# Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 18 886 - 11 HH

Company ISIC A/S  
Edwin Rahrs Vej 54  
8220 Brabrand, DENMARK

Product Description Marine Monitors  
DURAMON Monitore

Type DuraMON15, DuraMON17, DuraMON19, DuraMON20

Environmental Category C; EMC1

Technical Data / Display sizes: 15", 17", 19" and 20.1" - LCD (TFT)

Range of Application

Display properties:

Size (Aspect)	Luminance	Contrast	Resolution	View angle
15"	450 Cd/m <sup>2</sup>	700:1	1024x768	80°
17"	350 Cd/m <sup>2</sup>	1000:1	1280x1024	80°
19"	300 Cd/m <sup>2</sup>	2000:1	1280x1024	89°
20"	250 Cd/m <sup>2</sup>	500:1	1600x1200	88°

View angle: 80° - 89° (L/R/T/B) (typical)

Power Supply: 90-264 V AC 50-60 Hz or 18-36 V DC

Standard Inputs: VGA+DVI+RS232+USB

Extended Inputs: VGA+DVI+Composite Video+Super VHS+RS232+USB

Build-in or stand alone model

degree of Protection: IP65 front – IP20 rear

Test Standard

Guidelines for the Performance of Type Approvals Chapter 2, Edition 2003

Documents

Test Report : 198911 Rev. 2 dated 12-12-2007; 1910774 dated 08-07-2010; 1911040 dated 03-09-2010; 1911225 dated 13-01-2011; Technical Description: 20.1" UXGA TFT LCD dated 09-06-2008; User Reference Manual: DuraMON PN: 04173-000 Rev A dated 2009; Communication Protocol and Message Format dated 17-11-2009

Remarks

None

Valid until

2016-02-27

Page 1 of 1

Type Approval Symbol



File No. I.B.06

Hamburg, 2011-02-28

Germanischer Lloyd

  
Marco Rinkel

  
Andrea Grün

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".