



NIPPON KAIJI KYOKAI

Certificate

OF

TYPE APPROVAL

Applicant: Mariner Systems (UK) Ltd.

Place of manufacturing: Oaklands Park, Workingham, Berkshire, RG41 2FD, UK

Product description: HP L1750 17 inch TFT Monitor

Model: L1750
used with Mariner Kit MS1130, MS1135 or MS1140

Approval No.: 08A010

Specification & documents: As shown on the attached sheet (-1/2)

Test items & approval conditions: As shown on the attached sheet (-2/2)

THIS IS TO CERTIFY that the above mentioned model of the product has been type approved with **Approval No. 08A010** by the NIPPON KAIJI KYOKAI in accordance with the requirements specified in Chapter1, Part 7 of Guidance for the approval and type approval of materials and equipment for marine use and relevant Society's Rules.

This certificate will remain in force until the 6th March 2014.

Issued at Tokyo on the 7th March 2008.



S. Ogawa
General Manager,
Machinery Department

Specification & documents :

1. Ratings: AC 100-240V, 50/60Hz

2. Component and reference drawing:

Component	Drawing
HP 17 inch TFT Monitor L1750 used with Mariner Kit MS1130(Desk mount), MS1135 (Wall mount)or MS1140(Console mount)	DA-12801 Ver.4, MS1130_A, MS1135_A, MS1140_A, MS1140_00

3. Test report :

Environmental Test File No. TL1116 (11 Feb.2008)

Test items : Applied testing items are marked with X.

ENVIRONMENTAL TESTS		Mark
External examination		X
Operation test and performance test		X
Electric power supply failure test		X
Power supply fluctuation test	Electric	X
	Pneumatic and Hydraulic	--
Insulation resistance test		X
High voltage test		X
Pressure test (Pneumatic and Hydraulic)		--
Dry heat test (Temperature : 70°C x 16hours)		X
Damp heat tes		X
Vibration test		X
Inclination test		X
Cold test (Temperature : -25°C x 16hours)		X
Salt mist test		--
Electrostatic discharge immunity test		X
Radiated radio frequency immunity test (Frequency : 30kHz~2GHz)		X
Conducted low frequency immunity test		X
Conducted high frequency immunity test (Frequency : 10kHz~80MHz)		X
Burst/Fast transient immunity test		X
Surge immunity test		X
Radiated emission test (Frequency : 10kHz~2GHz)		X
Conducted emission test		X