

15" LCD MARINE RACKMOUNT MONITOR

29LRD153A35PC/1

DATASHEET

HIGH QUALITY, RUGGED METAL CONSTRUCTION

KME have developed a high resolution TFT panel which is designed to withstand the maritime environment. The displays are IP sealed to withstand shock and vibration and are designed to comply with marine approved standards. The LRD range is a lower cost solution for the standard rack mount monitor, which uses multiple sheets of metal bonded together.

Designed with ECDIS and Radar in mind, the range specifically meets the stringent demands of Shock, Vibration, EMC and EMI defined in the IEC 60945 International Standard for Maritime Navigation and Radio communications Equipment & Systems.

To aid installation, flexible mounting combinations include 100mm VESA standard fixings at the rear, and a separate mounting bracket for Control Desk or Overhead positioning.

The use of high quality components, robust and lightweight casing, anti - glare safety glass, transfective enhancements and touch-screen capability makes KME's monitors ideal for demanding applications.

SOLUTIONS FOR MARINE APPROVED MONITORS

- > **Rugged metal construction with good stability**
The LCD monitor has been designed with solidity, being housed in a compact metal construction with a toughened glass protection screen.
- > **5GHZ PC based monitor**
The PC has a 1.5GHZ intel pentium processor with 1GB ram and 32GB compact flash or SATA drive.
- > **IP65 sealing and RS232 as standard**
The front panel is sealed to IP65 rating . There is also a RS232 control for brightness.
- > **Advanced Deep Dimming 2000:1**
KME have developed a deep dimming solution for the marine range which provides smooth consistent dimming to 2000:1.



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Electrical Description		Mechanical Description	
TFT Characteristics:		Dimensions:	Monitor: 380 X 440 X 108 mm Weight: 3kg
Type:	15" a-Si TFT active matrix		
Max Resolution:	1024 x 768 pixels		
Active Display Area:	304.1 x 228.1mm		
Response Time:	20ms	Housing:	Aluminium
*Contrast Ratio:	450:1 typical	Sealing:	IP65 on front
*Brightness:	250cd/m ² typical	Approvals	
Viewing Angles (at CR>10):	130° / 130°	ECDIS & Radar Compliance:	
Backlight Life:	50,000 typical	IEC 61174:	Designed to comply
Power Supply:	110-230V AC 50-60Hz	EMC & Safety:	
Power Consumption:	50W (Max)		
Environmental:	**Operating Temp: 0 to +50 °C Storage Temp: -20 to +60 °C Operating Humidity: 50% to 90% (non condensing) Storage Humidity: 28% to 90% (non condensing)		
Panel PC features:		EN 60950	Designed to comply
1.5GHZ intel pentium processor, 1GB ram and 32GB compact flash or SATA drive		Marine Communications:	
Rear control connectors:	4 x USB, Parallel port, serial port, LAN, VGA output, PS2 keyboard, PS2 mouse	IEC 60945:	Designed to comply
Front inputs:	2 x USB		
		Part Numbers:	
		Monitor:	29LRD153A35PC/1
**Quoted EN60945 test. We do not recommend routine operation at extreme temperatures * Brightness and Contrast refer to naked LCD panel			

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