

### High Quality, Rugged Metal Construction

This custom monitor has been designed to comply with marine standards. Using a TFT Liquid Crystal Display it is fitted with interface circuits that allow it to be connected easily to standard PC graphics video source.

The TFT LCD has a 15.1" display diagonal with a native resolution of 1024 x 768 pixels (XGA) but it can accept signals of lower resolution, such as VGA and SVGA scaled so that they are displayed full screen.

An advanced brightness dimming technique, with a 1000:1 dynamic range, is employed to meet the demanding needs of night-time operation in maritime environments. The front panel houses all the user controls as well as the Power on Indication, which is embedded in the power button.

The monitor has 3 fans in the sun shield housing, which automatically detect the ambient temperature and switch them ON and OFF accordingly.

### Features

- IP65 sealed housing with protective sunscreen  
The monitor is sealed to IP65 rating for water and dust resistance
- Advanced Brightness Dimming 1000:1  
KME has developed a brightness dimming solution for the marine range which provides smooth consistent dimming to 1000:1
- Certified & Approved  
The marine range is designed to comply with EN 60945 and EN 60950
- Specially designed as a bridge wing monitor
- Inputs  
Special 14W terminal plug  
Power - 15 - 30V DC. AC option available

## 15" LCD Marine Head Monitor 29LM151030



Specifications: see next page

Specifications		
TFT Characteristics	Type Max. Resolution Active Display Area Response Time Contrast Ratio Brightness Viewing angles (at CR>10) Backlight life Nr. of colours	15" a-Si AM TFT 1024 x 768 pixels 304.1 x 228.1 mm 13ms 500:1 typical 250 cd/m <sup>2</sup> typical 130°H, 130°V 50,000 hrs typical 16.7 million
Video signal	RGB 0.7-1.0Vp-p	
Signal Sync	Separate H & V (=ve) TTL	or Composite (-ve) TTL or Sync - on - Green (-ve) 0.3V
Synchronisation Range	Horizontal scan Vertical scan	31-75 kHz 60-75 Hz
Display Modes	640 x 480 VGA 800 x 600 SVGA 1024 x 768 XGA (recommended)	
Power supply	15 - 30VDC	
Power consumption	50W (Max)	
Environmental	**Operating Temp Storage Temp Operating Humidity Storage Humidity Shock Vibration	-15 to +55 °C (IEC 60945 tests) -20 to +60 °C 30% to 90% (non condensing) 10% to 90% (non condensing) 10g, 11msec ½ sine +/-1mm, 2 to 13Hz: 0.7g, 13 to 100Hz
Dimensions	Monitor	430 (w) x 363 (h) x 89 (d) mm
	Weight	9 kg approx
Input Connector	Special 14W terminal plug	
Housing	Aluminium	
User controls	Front mounted	
Sealing	IP65	
Approvals	ECDIS & Radar Compliance	IEC 61174: Designed to comply
	EMC & Safety	EN 60950: Designed to comply
	Marine Communications	IEC 60945: Designed to comply
Part numbers		
Model	29LM151030	

Specifications are subject to change without notice.

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Large screen Monitors  
Custom-made Monitors  
19" Rack Mount Monitors  
Rear Mount Monitors  
Monitors for Panel Mount  
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Extreme environments

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Cables & Connectors  
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