

Marine Approved, High Quality, Rugged Metal Construction Display

KME have 'marinised' a high resolution TFT panel which is designed to withstand the maritime environment. All monitors have anti - reflective dual laminated glass, to reduce glare and prove clarity of image.

The popular rack front monitor has a rugged milled aluminium rack front, available options include a stand bracket for the monitor to be mounted either to the wall, desk or ceiling.

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

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.

Features

- The front is sealed to IP65 rating for water and dust resistance
- Advanced Deep Dimming 2000:1 - KME has developed a deep dimming solution for the marine range which provides smooth consistent dimming to 2000:1 (dim to black is available on request)
- Optional Touchscreen Integration - KME can offer a variety of touchscreen solutions for the marine range with either serial or usb interface
- The marine range is designed to comply with EN 60945 and EN 60950. In the case of the 17" and 19" monitors some are already certified and approved to these standards
- Array of mounting options - Mounting options include head, chassis, desktop, handheld, panel mount and rack mounted displays
- Inputs: All monitors have VGA (multiscanning), DVI and PAL. Power 15 - 30V DC. AC option available

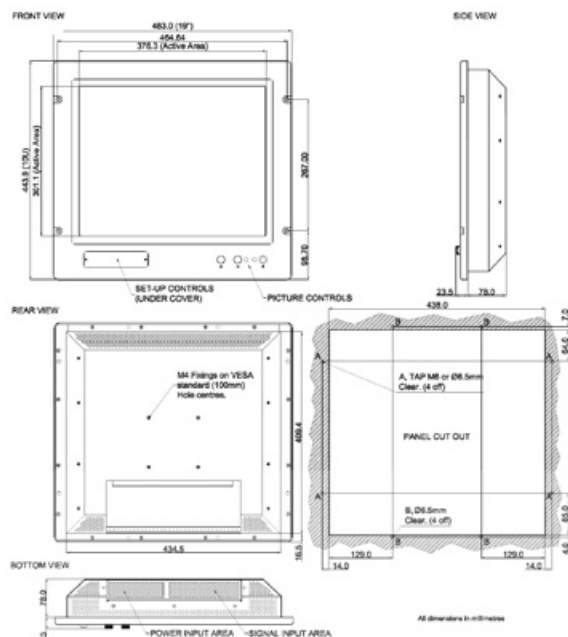
19" LCD Marine Monitor 29LR193D35MP



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 | 19" a-Si AM TFT 1280 x 1024 pixels 376.3 x 301.1 mm 15ms 500:1 typical 250 cd/m ² typical 170°H, 170°V 50,000 hrs typical 16.7 million |
| Video Signal | RGB 0.7-1.0Vp-p | |
| Composite Video Inputs | PAL/NTSC & SECAM with 'Picture In Picture' (PIP) facility | |
| Signal Sync | Separate H & V (=ve) TTL | or Composite (-ve) TTL or Sync - on - Green (-ve) 0.3V |
| Synchronisation Range | Horizontal scan Vertical scan | 31-75kHz 60 to 75Hz |
| Display modes | VESA support | 640 x 480 VGA 800 x 600 SVGA 1024 x 768 XGA 1280 x 1024 SXGA (recommended) |
| Power supply / cons. | 15 - 30VDC 50-60 Hz / 65W (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 | 463(w) x 444(h) x 78+14 (d) mm |
| | Weight | 10 kg |
| Input Connectors | HD-15, DVI-I, Composite video | |
| Sealing | Front Panel IP65 | Housing: Aluminium |
| User controls | Front mounted | |
| Approvals | ECDIS & Radar Compliance EMC & Safety Marine Communications Type Approvals | IEC 61174 EN 60950 IEC 60945 ABS |
| Part numbers | | |
| Model | 29LR193D35MP/6 | |
| Ancillaries | Resistive touchscreen RS232 Capacitive touchscreen RS232 with resistive touchscreen USB Stand bracket | 29LR193DR35MP/6 29LR193DC35MP/6 29LR193DRU35MP/6 29ST0014LR-3 |

Specifications are subject to change without notice.
The /x version behind the partnumber indicates the version number. This version number may vary because of a different TFT panel being used.
* Brightness and contrast refer to naked LCD panel.
**Quoted EN60945 test. We do not recommend routine operation at extreme temperatures



• Monitors

- Desktop Monitors
- Large screen Monitors
- Custom-made Monitors
- 19" Rack Mount Monitors
- Rear Mount Monitors
- Monitors for Panel Mount
- Monitors for VESA Mount
- Kiosks
- Accessories

• Monitors – Specific applications

- Stainless Steel Monitors
- Car Displays
- Marine Monitors
- Military Monitors
- Replacement Monitors
- Train Monitors

• Panel PC's

- High Performance Systems
- Custom made Panel PC's
- Low Power Systems
- Extreme environments

• Pointing devices

- Accessories
- Touchpads
- Trackballs
- Trackball Modules
- Joysticks
- Custom made Pointing Devices

• Keyboards

- Desktop Keyboards with or without pointer
- Built-in Keyboards with or without pointer
- Cables & Connectors
- Custom made Keyboards



Mulder-Hardenberg, est. 1927, is the answer to professional demands in the domain of electronic related environments. We don't just sell products. We use our multidiscipline knowledge to provide the best possible solution, designed to your specific interest.

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