

**NAVSEA APPROVED 19" DISPLAY FITS BOTH  
 19" AND 20" LIGHTED WRITING SURFACES**



| Display Features Overview |   |
|---------------------------|---|
| NAVSEA qualified          | O5P qualified   |
| Backlight                 | High bright LED sunlight readable (optional)              |
| Anti Reflective Coating   | AR coating minimizes specular reflections                 |
| Mount                     | 19 inch rack mount  |
| Auto Position / Settings  | Auto position resolution scaler from 640x480 to 1600x1200 |
| RoHS                      | Lead free RoHS compliant (optional)                       |

| Display Characteristics |   |
|-------------------------|---|
| Display Size            | 481.9 mm diagonal   |
| Resolution              | 1280 X 1024 colored pixels  |
| Colors                  | 16.7 million  |
| Active Area             | (H)301.056mm x (W)376.32mm  |
| Pixel Pitch             | .098mm(H) x 0.294mm(V)  |
| Brightness              | 300 cd/m <sup>2</sup>   |
| Viewing Angle           | Vertical: +/- 85 deg<br>Horizontal: +/- 85 deg  |
| Contrast Ratio          | 1000:1 Typical  |
| Response Time           | 5ms   |
| Sync Range              | Horizontal: 30 kHz to 82 kHz  |
| Video non-interlaced    | Min refresh rate 60 Hz / 72 Hz  |
| Controls                | Front controlled with full dimming capabilities (dimming ratio > 1250:1)                                    |
| Power Input             | input: +28VDC<br>Connector type: MS27466T15B5P<br>Pin out: +28 VDC (A&B) / 28 VDC Return (D&E) / Ground (C) |
| Power Consumption       | 19 watts at 300 nits / 56 watts at 1100 nits  |

| Data Inputs |   |
|-------------|---|
| VGA         | (x1) D-sub  |
| NTSC        | Optional BNC input  |
| BNC         | 3-Wire RGsB (with flow through)<br>4-Wire RgBs<br>5-Wire RGBHV sync |
| DVI-D       | (x1) Dvi-D input  |

| Mechanical Characteristics |   |
|----------------------------|---|
| Bezel Dimensions           | Outer dimensions (H)15.70" x (W) 18.96" (over all depth) 2.98"  |
| Shock pins                 | (x2) 6mm dia x .2"  |
| Mounting Screws            | (4x) #6 metric captive spring retractable mounting screws (head below surface) (torque to 80 inch lb) |
| Sealing                    | Pre-installed EMI gasket. .125" thick   |
| Weight                     | Less than 25 Lbs  |

| Environmental Characteristics |  |                |                        |
|-------------------------------|--|----------------|------------------------|
| Shock                         | Mil-S-901D, Grade A, Class1 Type A<br>Mil-STD-810E | Vibration      | Mil-STD-167-1a, Type 1 |
| EMI                           | Mil-STD-461E                                       | Drip Proof     | Mil-STD-810E           |
| Sand & Dust                   | Mil-STD-810E                                       | Operating temp | -25 to 55 C            |
| Non-operating temp            | -40 to 70C   |                |                        |