

## 19" Centric GB Display

### ELECTRICAL DESCRIPTION

#### Display Characteristics:

Type: 19.0" Active Matrix TFT  
Dot Number: 1280 x 1024 Pixels  
Dot Pitch: 0.294 mm  
Active Display Area: 376.3 mm x 301.05 mm  
Response Time: 13ms Average - Typical  
Contrast Ratio: 1000:1 Min.  
Brightness / Light Intensity: 250 cd/m<sup>2</sup> (Nits) - Typical  
Viewing Angles L/R/U/D: 89°/89°/89°/89°  
Backlight Life: 50,000 Hours - Typical  
Colour Depth: 16.7 Million (Depending on Graphics Card)

#### Dimming:

Range: 0-100% (Dimming Ratio 1000:1)

#### DVI-I Input:

Digital Interface: DVI 1.0 Compatible Interface  
108 MHz Operation.

#### VGA Input:

Analog: RGB 0.7-1.0V p-p  
Impedance: 75 Ohms  
Sync. Type/Level: Sync-on-Green (-ve) 0.3V

#### Synchronisation Range:

Horizontal Scan: 15 - 100 Khz  
Vertical Scan: 30 - 100 Hz

#### Resolutions:

VESA Support for: 1280 x 1024 SXGA\*  
1024 x 768 XGA  
800 x 600 SVGA  
640 x 480 VGA  
\*Recommended for optimised resolution...

#### Composite Video Input:

Input Source: NTSC, PAL, SECAM

#### Input Voltage:

AC (Auto-Ranging) Input: 115/230V AC +/- 10%

#### Power Consumption:

AC Supply: 55W

#### Environmental:

\*\*Operating Temp: -15 to +55°C (IEC 60945)  
Storage Temp: -25 to +70°C  
Operating Humidity: 30% to 90% (Non-Condensing)  
Storage Humidity: 10% to 90% (Non-Condensing)  
Vibration: +/-1mm, 2 to 13Hz: 0.7g 13 to 100 Hz  
\*\*We DO NOT recommend routine operation @ extreme temperatures...

### MECHANICAL DESCRIPTION

#### Construction:

Finish: Front Bezel - Bonded Glass  
Rear Housing - Modular Metal Construction  
Housing: Chemically Treated Metal  
Front Sealing: Front Bezel IP67  
Protective Safety Glass: Conturan Hardened, Laminated & Anti-glare coated.  
Ventilation: Convection (No Fans)

#### Dimensions:

Display for Flush Mounting (mm): 14.21" (361) H x 17.05" (433) W x 3.03" (77) D  
Panel Cut-out (mm): 13.70" (348) H x 16.54" (420) W

#### Weight:

Display (kg) : 18.4 lbs (8.3)

#### Connections:

DVI Signal: DVI-I Female  
VGA Signal: 15-pin Female D-SUB  
Composite Signal: RCA Female Jack  
S-Video: S-Video Socket  
Remote Keypad Interface: 25-pin Female D-SUB  
RS232 Control: 9-pin Female D-SUB  
AC Power: IEC Inlet

#### User Controls:

Remote Membrane Keypad with  
Brightness Knob: Buttons for; Menu & Power. Backlight  
Bright Potentiometer & AC Power LED.

Backlight Brightness: Remote Panel Knob (Potentiometer)

#### Shipping Details:

Carton Size (cm): 21" (53) x 20" (51) x 10" (25)  
Weight (kg): 26 lbs (12)

### APPROVALS / WARRANTY

#### Compliance:

Maritime / Military: IEC 60945 4th Edition. IEC 61174 (ECDIS),  
IEC 60936 (RADAR) & IEC 60529 (IP).  
MIL-STD-810F & MIL-STD-901D.  
IACS E10 (to obtain ABS, BV, CCS, GL,KR,  
LR, NK, RINA, RS).

#### Type Approvals:

ABS – Pending

#### Limited Warranty:

2 Year

### ORDERING CODE

19" Centric GB Display: 23-1910-GB

