



15" NEMA 4 Panel Mount ThermalCare High Bright LCD



This NEMA 4 high bright, low power monitor can easily be read in all lighting conditions, including high ambient light, direct sunlight and at night, which makes it perfect for use in a multitude of vertical markets. The LCD provides a thermal management system and auto dimming.

FEATURES

- ◆ NEMA 4
- ◆ High Bright, Low Power
- ◆ Readable in Sunlight, High Ambient Light and Night Time Conditions
- ◆ Thermal Management System
- ◆ Auto Dimming Beyond 500:1 ratio

SPECIFICATIONS

Display Panel

15" XGA TFT

Active Display Area

304.1mm (h) x 228.1mm (v)

Pixel Format

1024 x 768

Resolution

XGA / 8 bit color

Number of Colors

16.7 M

Viewing Angle

Horizontal: 50° min 60° typ (a) & (b)
Vertical: 30° min 45° typ (a) & 45° min 55° typ (b) (refer to fig. 1 in mechanical drawing)

Screen Brightness

1700 cd/m² typical, 1500 cd/m² min (refers to luminance of white when I_L=5mA & f_L 53.2 KHz)

Contrast Ratio

250 min, 350 typical (luminance with all pixels white/luminance with all pixels - refer to fig. 3 in mechanical drawing)

White Uniformity

1.25 max (uniformity = (L_{min}/L_{max}) see fig. 2 in mechanical drawing)

MTBF (excluding lamps)

50,000 hours typical

Lamp Life

50,000 hours typical at 25°C full brightness (defined as time when either ambient temp is 25°C and/or lamp current is I_L=5mA under continuous operation)

Power Consumption

68 W, max (results obtained with inverter and fans running at max capacity - results vary according to temp and ambient light)

Power Source

24VDC w/ AC Brick

Temperature (Normal Operation)

Range with Dry Bulb: 0 to 50°C
Max. Temp Change Rate: 10°C per hour
Relative Humidity: 95% or less NC @ TA ≤ 40°C
Max Humidity Change Rate: 10% per hour

Sudden Temp. Change: 12°C

Max Dew Point Temp: 26° C

Temperature (Extreme Operation)

Range with Dry Bulb: 0 to 50°C
Max. Temp Change Rate: 15°C per hour
Relative Humidity: 95% or less NC @ TA ≤ 40°C

Temperature (Other)

Storage or Transit: -25 to 60°C

Humidity (Other)

Storage or Transit: 95% or less

Dimensions

13.34" (H) x 16.19" (W) x 3.87" (D)
338.39mm (H) x 411.10mm (W) x 98.3mm (D)

Optional Touch Screen

Resistive or Capacitive

Compliant With:

CSA Standard for Safety of IT Equipment (C22.2 No. 60950-1) + UL60950-1

IEC 60950-1 & EN 60 950-1 Safety of Information Technology Equipment including Electrical Business Equipment

RFI Radiated Emission to EN55022 1994 Class B

RFI Radiated Susceptibility EN61000-4-3: 1997 (CENELEC 50082-1: 1998) 3V/m with 1kHz, 80% Modulation over the frequency range 80 - 1000MHz.

RFI Radiated Susceptibility ENV50204: 1996 (CENELEC 50082-1: 1998) 3V/m with 200Hz Pulse modulation. Spot Frequency 900MHz.

Electrical Fast Transients EN61000-4-4: 1995 (CENELEC 50082-1: 1998) (1kV data)

Electrostatic Discharge EN61000-4-2: 1994 (CENELEC 50082-1: 1998) contact discharge +/-5kV and air discharge +/-12kV

RFI Conducted Susceptibility EN61000-4-6: 1996 (CENELEC 50082-1: 1998) test level 3V, prior to application of 1kHz, 80% modulation. Test frequency range 0.15 MHz to 80 MHz

Power Frequency Magnetic Immunity IEC 61000-4-8: 1994 (CENELEC 50082-1: 1998), 1 A/m and 3 A/m

CONTACT

HEADQUARTERS

11529 Sun Belt Ct.
Baton Rouge, Louisiana 70809

Phone 800.223.8050

International

001.225.298.0300

Fax 225.297.2440

E-mail

sales@vartechsystems.com

Website

www.vartechsystems.com

OPTIONS

- NEMA 4X Stainless Steel
- Resistive or Capacitive Touch Screen