



**AbraxSys**  
RUGGED LCD SOLUTIONS

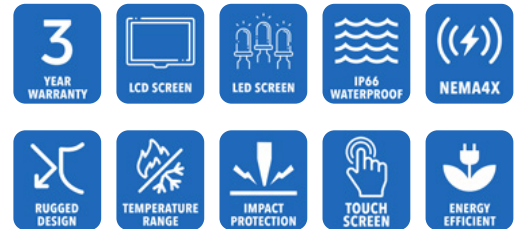
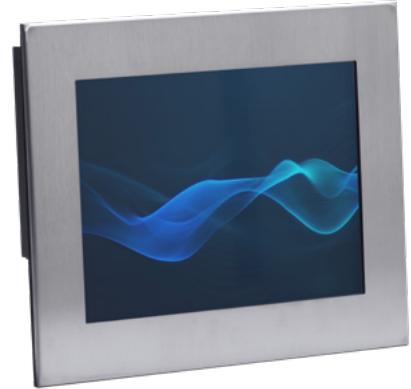
# 12.1" Industrial Waterproof NEMA 4X Panel Mount LCDs

## Model PS-121

Model PS-121 is a high-quality industrial LCD system offering NEMA 4X (IP66) level protection at the front bezel. The AbraxSys Industrial Grade NEMA 4X IP66 Waterproof LCD Flat Panel Monitors product boasts a 12.1" display size with 1024 x 768 pixels, 500 nits brightness (long-life LED backlight) and 700:1 contrast ratio.

The unit is constructed of a stainless steel gasket-sealed front bezel with "bolt" mounting and its rear housing is constructed of 6061 grade aluminum which has been dipped in zinc-chromate and then finished with a resilient corrosive resistant thermal-set black powder-coating. This product is very ruggedly built, features long-life displays with no scheduled End Of Life. Incorporating the latest LCD, light emitting diodes (LED) backlighting, and control electronics you are assured a display that will perform reliably in harsh industrial environments. Many configurations available, including our Sunlight Readable LCD Systems.

AbraxSys Industrial Waterproof LCD Flat Panel Displays are ideally suited for various harsh environments where dust, dirt, moisture, splashing water, hose directed spray, and various other caustic contaminants like oil, chemicals, etc. are commonly present.



 HDMI

 VGA

 DVI

 Display Port

# Technical Specifications

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## General

**Model:**

PS-121

**Display Size**

12.1"

**Display Type**

Long-Life Industrial Grade LCD

**Backlight Technology**

Solid State, Long-Life LED –  
[CLICK HERE](#) for more information

**Brightness**

500 nits (cd/m<sup>2</sup>)

**Dimming Capabilities**

User Keypad (standard)

**Contrast Ratio**

700:1

**Aspect Ratio**

4:3

**Resolution**

1024 x 768 (XGA) Native

**Colors Supported**

16.2M

**Viewing Angles**

-80° / 80° Horizontal  
-80° / 80° Vertical

**Video Inputs**

DVI, HD15 (VGA), HDMI,  
DisplayPort

**User Controls**

Rear Keypad

**Optical Bonding**

[Optical Bonding](#)

**Protective Window**

3mm Hardened Protective  
Window, for more information  
[CLICK HERE](#) – (also available  
various optional Touch Screen  
Technologies)

**Power Types**

90 VAC to 264 VAC; 12V DC; 24V  
DC; 9 to 36V DC; or 20 to 53V DC

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## Physical Attributes

**Front Bezel**

Gasket-Sealed Stainless Steel

**Rear Enclosure**

High Grade 6061T Aluminum,  
Electrochemical Anodized for  
added Corrosion Resistance,  
Black Textured Finish per Military  
Standards FED-STD-595

**Panel Mounting**

10-32 Stainless mounting studs,  
1/2" exposed thread

**Overall Dimensions**

13.13 x 11.08 x 1.99 in  
(335.50 x 281.43 x 50.75mm)

**Cutout**

10.5 x 12.5 in  
(266.7 x 317.5mm)

**Sealability**

Gasket-Sealed

**Sunlight Readability**

Sunlight Readable  
Model Available

**Warranty Period**

3 Years

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## Environmental

**Sunlight Readability**

Sunlight Readable Model Available

**Operating Temperature Range**

-30°C to 85°C (-22°F to 185°F)

**Storage Temperature**

-40°C to 85°C (-40°F to 185°F)

**Humidity**

5% to 95% RH (non-condensing)

**Shock**

Operating: 30g's, 11ms, ½ Sine  
Non-Operating: 200G, 2ms, half sine wave, 1 time for ± X, ± Y, ± Z.

**Fasteners**

Vibration-proof, self-locking, fastener system which will not loosen regardless of seat torque. Designed to help make products safer, lower warranty costs and prolong equipment life by eliminating vibration; increased safety, reliability, operating life and reduced maintenance.

**EMI**

FCC Class B pursuant to Part 15 of the FCC Rules

**Agency Compliance**

CE

**Altitude**

Operating 0 to 10,000 ft.  
Storage 0 to 40,000 ft.

**RoHS Compliant**

Yes

**Rating**

NEMA 4x / IP66

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## Additional Add-On Options

**Touch Screen Technology****Resistive****Hardened Armored Touch Technology****Video Input Options**

DVI, HD15 (VGA), DisplayPort, and/or HDMI

**Custom Video Modes****Extended Operational Temperature Ranges****Conformal Coating of all Internal Circuit Boards****Private Labeling Services****Customization Services**

**NEMA 4 IP65 Black Powder-Coated Aluminum Front Bezel**

**Sunlight Readable Model Available**

