



AbraxSys
RUGGED LCD SOLUTIONS

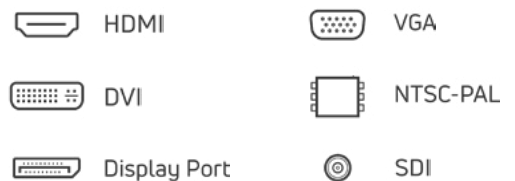
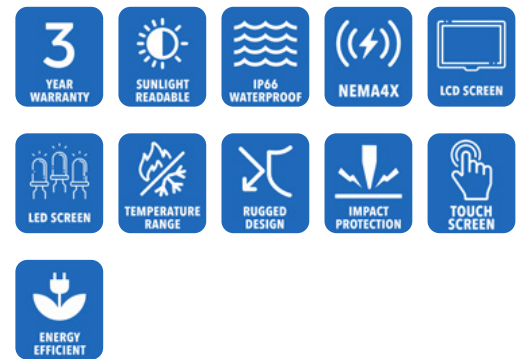
19" Sunlight Readable Industrial Grade IP66 (NEMA 4X) LCD

Model SRD-PS-190

AbraxSys Daylight Readable Industrial 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. Model SRD-PS-190 is a high-quality industrial LCD system offering NEMA 4X (IP66) level protection at the front bezel. The product boasts a 19" display size with 1280 x 1024 pixels, 1000 nits up to 1500 nits brightness (long-life LED backlights) and 1000:1 contrast ratio.

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This industrial grade Sunlight Readable NEMA 4X IP66 LCD TFT monitor is designed for use throughout a wide range of harsh outdoor applications. These rugged LCD displays are rigorously tested to ensure compliance with various industry standards and are engineered to withstand the effects of severe environments such as water, dust and dirt intrusion. These products perform well beyond ordinary 'commercial' type monitors. AbraxSys' high bright Sunlight Readable LCDs are ideal for use in any high ambient light condition, and will give you the intensity and brilliance your application requires.



Technical Specifications

General

Model

SRD-PS-190

Display Size

19.0"

Display Type

Long-Life Industrial Grade LCD

Backlight Technology

Solid State, Long-Life LED, with Light Source Redundancy

Optical Films Enhancements

Boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light. The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs.

Brightness

1600 nits (cd/m2)

Contrast Ratio

1000:1

Aspect Ratio

5:4:

Resolution

1280 x 1024 (SXGA) Native

Colors Supported

16.7M (8-bit/color)

Viewing Angles

-89° / 89° Horizontal

-88° / 88° Vertical

Video Inputs

DVI, HD15 (VGA), HDMI, DisplayPort, S-Video, SDI, Composite

User Controls

Front Keypad (can also be configured for rear controls, or Manual Full-Range Dimming Turn Pot, Automatic Dimming Sensor, or Remote Dimming)

Protective Window

3mm Sparkle Free Front Protective Impact Window or Projected Capacitive Touch Screen

Power Types

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

Physical Attributes

Front Bezel

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

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

19.00 x 15.720 x 2.60 in
(482.6 x 399 x 66mm)

Cutout

14.582 x 17.862 in
(370.38 x 453.69 mm)

Weight

18 lbs. (8.1 Kg)

Sealability

NEMA 4X (IP66)

Sunlight Readability

The latest optical technology for high ambient light conditions

Warranty Period

3 Years

Environmental

Sunlight Readability

The latest optical technology for high ambient light conditions

Operating Temperature Range

-30°C to 85°C (-22°F to 185°F)

Storage Temperature

-30°C to 85°C (-22°F to 185°F)

Humidity

5% to 95% RH (non-condensing)

Shock

Operating: 30g's, 11ms, ½ Sine

Vibration

1g RMS 20-500Hz

Fasteners

Vibration-proof, self-locking,
fastener system

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

Additional Add-On Options

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

DVI, HD15 (VGA), DisplayPort,
HDMI, Composite, S-Video, SDI,
and/or NTSC-PAL

Power Type Choices

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

Custom Video Modes**Extended Operational
Temperature Ranges****Private Labeling Services****Customization Services****Dimming Capabilities**

User Keypad (standard); Optional:
Manual Full-Range, Automatic
Dimming, or Remote Dimming

**NEMA 4 IP65 Black Powder-
Coated Aluminum Front Bezel****Conformal Coating of all
Internal Circuit Boards**

