



**AbraxSys**  
RUGGED LCD SOLUTIONS

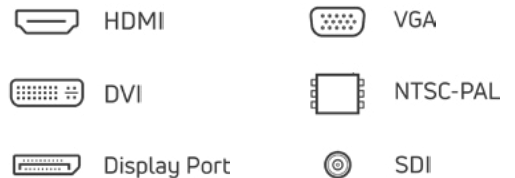
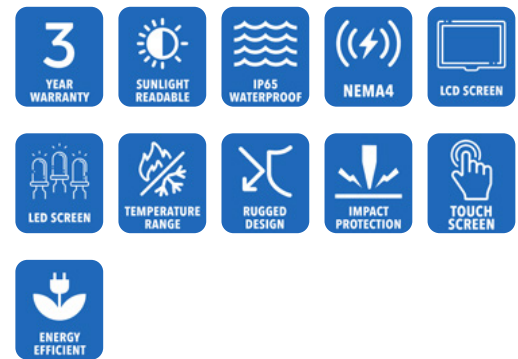
# 19" Sunlight Readable Industrial Grade IP65 (NEMA 4) LCD Flat Panel Display

**SRD-PM-190**

Model SRD-PM-190 is a high-quality industrial LCD system offering NEMA 4 (IP65) level protection at the front bezel. The product boasts a 19" display size with 1280 x 1024 pixels, up to 1600 NITS brightness (long-life LED backlights) and 1000:1 contrast ratio.

This industrial grade Sunlight Readable 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.

For systems configured with Projective Capacitive Touch Screen, the unit is fitted with an extra heavy duty .375" thick bezel. The front touch surface is optically bonded 2-point multi-touch glass for wear resistance and is flush with the front surface of the bezel for easy cleaning and **NO pooling** of liquids on or near the touch surface so touch conflict is eliminated.



# Technical Specifications

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## General

**Model:**

SRD-PM-190

**Display Size**

19.0"

**Display Type**

Long-Life Industrial Grade Active Matrix TFT 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/m<sup>2</sup>)

**Dimming Capabilities**

Front Keypad (can also be configured for rear controls)

**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,  
- 89° ~ 89° 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; or 20 to 53V DC

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## 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 4 / IP65

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## Additional Add-On Options

### Touch Screen Technology

#### Resistive

#### Multi-Touch Up to 10-Point PCAP

#### Hardened Armored Touch Technology

#### Power Type Choices

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

#### Video Input Options

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

#### Extended Operational Temperature Ranges

#### Conformal Coating of all Internal Circuit Boards

#### Customization Services

#### Dimming Capabilities

Standard, or Optional Full-Range Manual Turn-Pot, Automatic Dimming Sensor, Remote Dimming

#### NEMA 4X IP66 Stainless Steel Front Bezel

#### Custom Video Modes

#### Private Labeling Services

