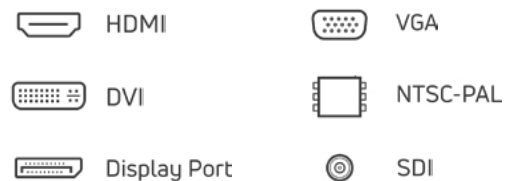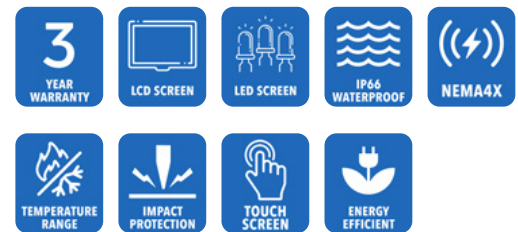# 19" Industrial NEMA 4X (IP66) Panel Mount LCD Flat Panel Display

Model PS-190

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.

Model 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, 450 NITS brightness (long-life LED backlights) and 1000:1 contrast ratio.

The unit is constructed with a stainless steel gasket-sealed front bezel with "bolt" mounting and its rear housing is constructed of high-quality metal 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, energy efficient LED backlighting, and advanced control electronics, you are assured a display the will perform reliably in harsh industrial environments and work in a continuous mode for many, many years. Many optional configurations are available, including our Sun Readable SRD models.

| 3 YEAR WARRANTY | LCD SCREEN | LED SCREEN | IP66 WATERPROOF | NEMA4X |

| TEMPERATURE RANGE | IMPACT PROTECTION | TOUCH SCREEN | ENERGY EFFICIENT |

HDMI	VGA
DVI	NTSC-PAL
Display Port	SDI

Technical Specifications

General

Model
PS-190

Display Size
19.0"

Display Type
Long-Life Industrial Grade LCD

Backlight Technology
Solid State, Long-Life LED – CLICK HERE for more information

Brightness
450 nits (cd/m2)

Dimming Capabilities
Rear Keypad

Contrast Ratio
1000:1

Aspect Ratio
5:4

Resolution
1280 x 1024 (SXGA) Native

Colors Supported
16.7M (8-bit/color)

Viewing Angles
-85° / 85° Horizontal
-80° / 80° Vertical

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

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

Physical Attributes

Front Bezel
Gasket-Sealed Stainless Steel

Rear Enclosure
High Grade Metal, 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
Gasket-Sealed

Sunlight Readability
Sunlight Readable Model Available

Warranty Period
3 Years

Environmental

Sunlight Readability
Sunlight Readable Model Available

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

Multi-Touch 2-Point Resistive

Hardened Armored Touch Technology

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

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

Mechanical Drawings

These technical and mechanical resources are subject to change without notice.

AbraxSys
RUGGED LCD SOLUTIONS

(800) 883-9050

info@abraxsyscorp.com

www.abraxsyscorp.com

6161 Keller's Church Road, Units 6151B, 6161A, 6161B, 6171A & 6171B

Pipersville, Pennsylvania 18947 U.S.A.