



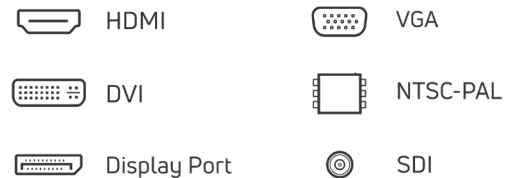
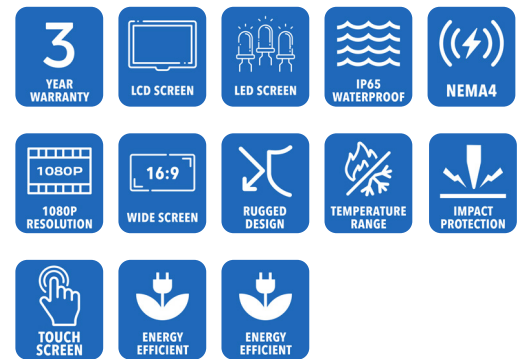
AbraxSys
RUGGED LCD SOLUTIONS

18.5" Ultra-Rugged NEMA 4 (IP65) Rugged Wide Format 1080P Panel Mount LCD Monitor

Model PM-185

Model PM-185 LCD monitor is a NEMA 4 (IP65) rated product and utilizes the latest 18.5" LCD Flat Panels. The product boasts full-high definition 1080P (1920x1080) resolution, exceptional imaging, long-life LED backlighting, and a wide contrast ratio. The unit is constructed with a black powder-coated gasket-sealed front bezel with "bolt" mounting.

This rugged model offers exceptional shock and vibration safeguards and its front bezel and rear housing are constructed of high grade 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 and control electronics you are assured a display the will perform reliably in many real-world harsh industrial environments. Many optional configurations available, including our [Sunlight Readable SRD model](#).



Technical Specifications

General

Model:
SRD-PM-185

Display Size
18.5"

Display Type
Long-Life Industrial Grade Active Matrix TFT LCD

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

Brightness
500 nits (cd/m2)

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

Contrast Ratio
1000:1

Aspect Ratio
16:9

Resolution
1920 x 1080 (1080p)
True High-Definition

Colors Supported
16.7M (8-bit/color)

Viewing Angles
-88° to 88° Horizontal
-88° to 88° Vertical

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

User Controls
Multi-Functional User Keypad

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
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
NEMA 4 - IP65 Panel Mounting

Overall Dimensions
19.504 x 12.834 x 2.5 in
(495.41 x 326.00 x 63.50mm)

Cutout
18.627" (473.16mm) x 11.959"
(303.76mm)

Weight
See Drawings

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

-20°C to 70°C (-4°F to 158°F)

Storage Temperature

-20°C to 70°C (-4°F to 158°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

Additional Add-On Options

Touch Screen Technology

Resistive

Multi-Touch Up to 10-Point PCAP

Hardened Armored Touch Technology

Custom Video Modes

Video Input Options

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

Extended Operational Temperature Ranges

Conformal Coating of all Internal Circuit Boards

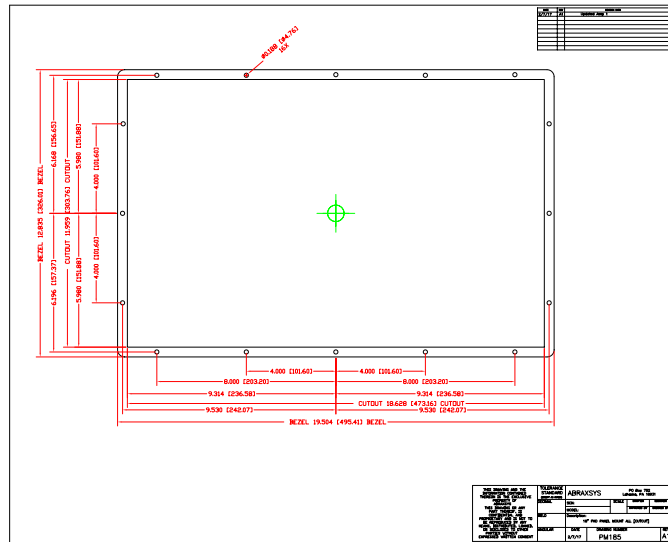
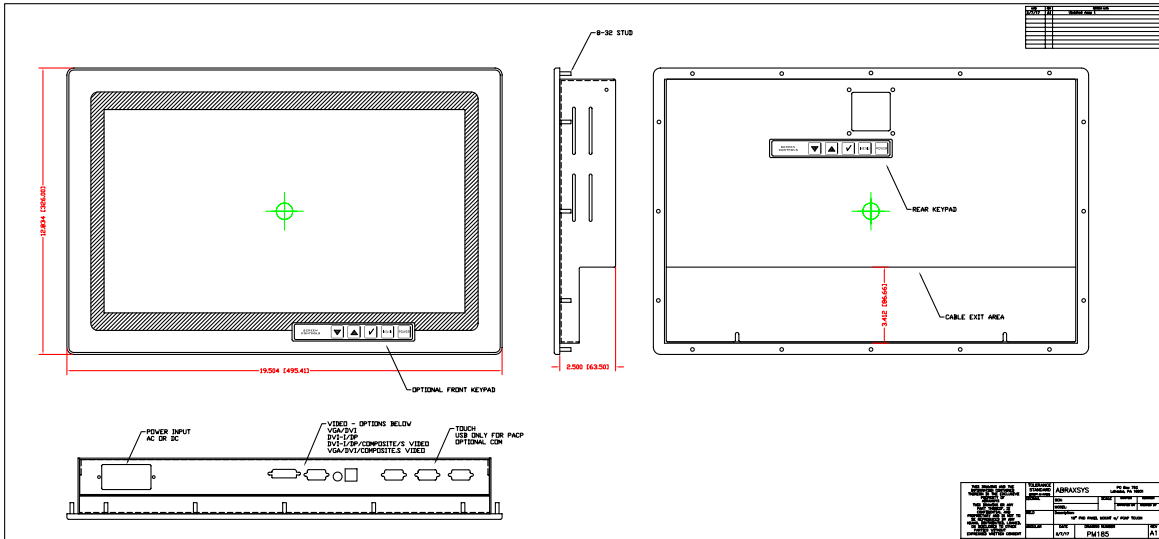
Private Labeling Services

Customization Services

NEMA 4X (IP66) Stainless Steel 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.