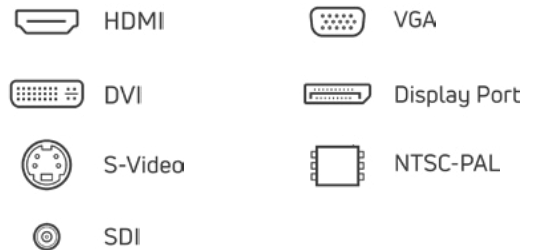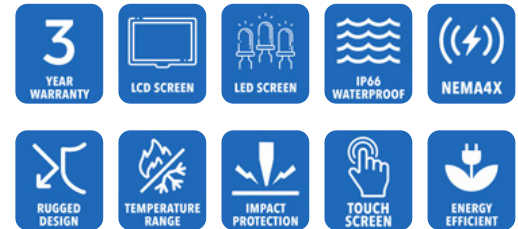# 17" Industrial Waterproof NEMA 4X (IP66) Panel Mount LCD

Model PS-170

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-170 is a high-quality industrial LCD system offering NEMA 4X (IP66) level protection at the front bezel. The product boasts a 17" display size with 1280 x 1024 pixels, 350 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 Sunlight Readable Display models.

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

RUGGED DESIGN · TEMPERATURE RANGE · IMPACT PROTECTION · TOUCH SCREEN · ENERGY EFFICIENT

HDMI   VGA
DVI   Display Port
S-Video   NTSC-PAL
SDI

Technical Specifications

General

Model:
PS-170

Display Size
17.0"

Display Type
Long-Life Industrial Grade LCD

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

Brightness
350 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
-80° / 80° Horizontal
-85° / 85° Vertical

Video Inputs
DVI, HD15 (VGA), HDMI,
DisplayPort, S-Video, SDI,
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 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
15.88 x 13.34 x 2.08 in
(403.4 x 338.8 x 52.8 mm)

Cutout
13.56 x 16.56 in
(344.4 x 420.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 70°C (-22°F to 158°F),
Extended Operational Temperature
Ranges Available

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

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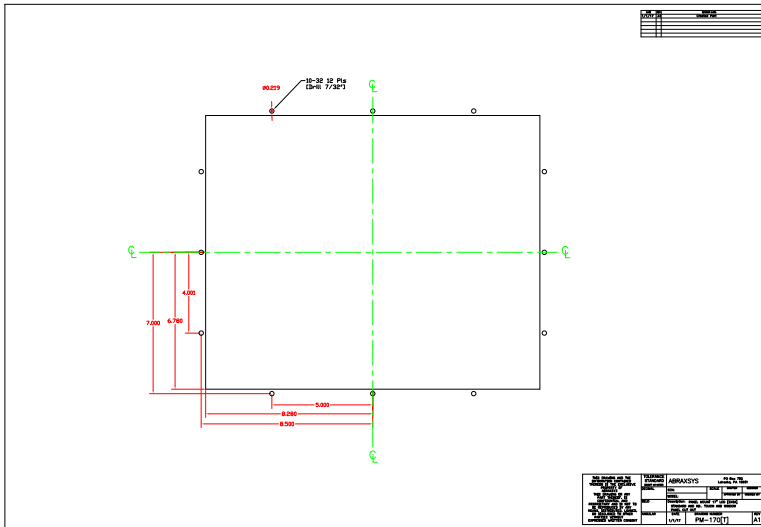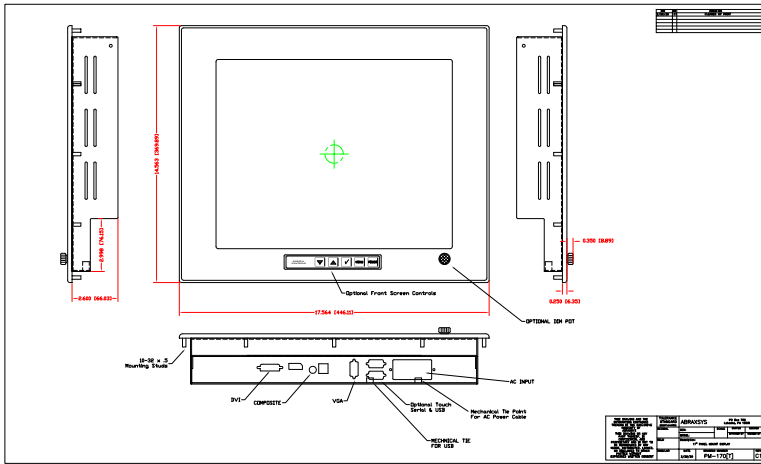
Video Input Options
DVI, HD15 (VGA), DisplayPort, HDMI, Composite, S-Video, SDI, and/or NTSC-PAL

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.