

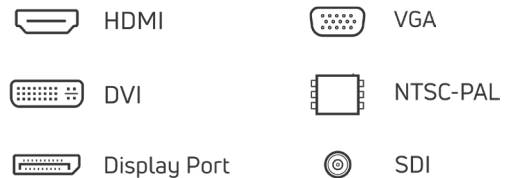
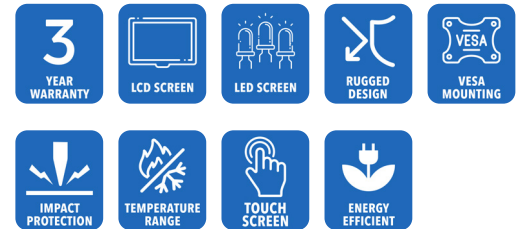


17" Industrial Grade NEMA 12 (IP52) Rugged VESA Mount LCD Monitor

Model VM-170

Model VM-170 LCD monitor is a NEMA 12 (IP52) rated product and utilizes the latest 17" SXGA TFT Flat Panels. AbraxSys has added a versatile Analog-Digital interface board, backlight inverter and OSD controls. All elements, including a toughened glass protective screen have been packaged in a compact, rugged metal housing. The result is a flexible Display Head, ready for integration as part of any system; as an analog monitor, or a touchscreen driven human-machine interface.

This rugged model offers exceptional shock and vibration safeguards and its housing is constructed of high grade aluminum 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 harsh industrial environments. Many configurations available, including our [Sun Readable SRD models](#).



Technical Specifications

General

Model:

VM-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)

Contrast Ratio

1000:1

Aspect Ratio

5:4

Resolution

1280 x 1024 (SXGA) Native

Colors Supported

16.7M (8-bit/color)

Viewing Angles

-85° to 85° Horizontal
-80° to 80° Vertical

Video Inputs

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

User Controls

Multi-Functional User Keypad

Optical Bonding

Optional Optical Bonding of Front
Protective Glass or Touch Screen
Window (for more information
about its benefits [CLICK HERE](#))

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, 20 to 53V DC

Physical Attributes

Front Bezel

Stainless Steel

Panel Mounting

VESA 100mm

Warranty Period

3 Years

Rear Enclosure

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

Overall Dimensions

15.66 x 13.00 x 2.08 in

Sunlight Readability

The latest optical technology for
high ambient light conditions

Environmental

Sunlight Readability

The latest optical technology for
high ambient light conditions

Operating Temperature Range

-30°C to 80°C (-22°F to 176°F)

Storage Temperature

-30°C to 80°C (-22°F to 176°F)

Humidity

5% to 95% RH (non-condensing)

Shock

Non-Operating: 200G, 2ms, half
sine wave, 1 time for ± X, ± Y, ± Z.,
Operating: 30g's, 11ms, ½ Sine

Vibration

Operating: 1g RMS 20-500Hz,
Non-Operating: 1.5G, 10 ~ 300 Hz,
10min/cycle, 3 cycles each X, Y, Z

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****Multi-Touch Up to 10-Point PCAP****Hardened Armored Touch Technology****Video Input Options**

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

Dimming Capabilities

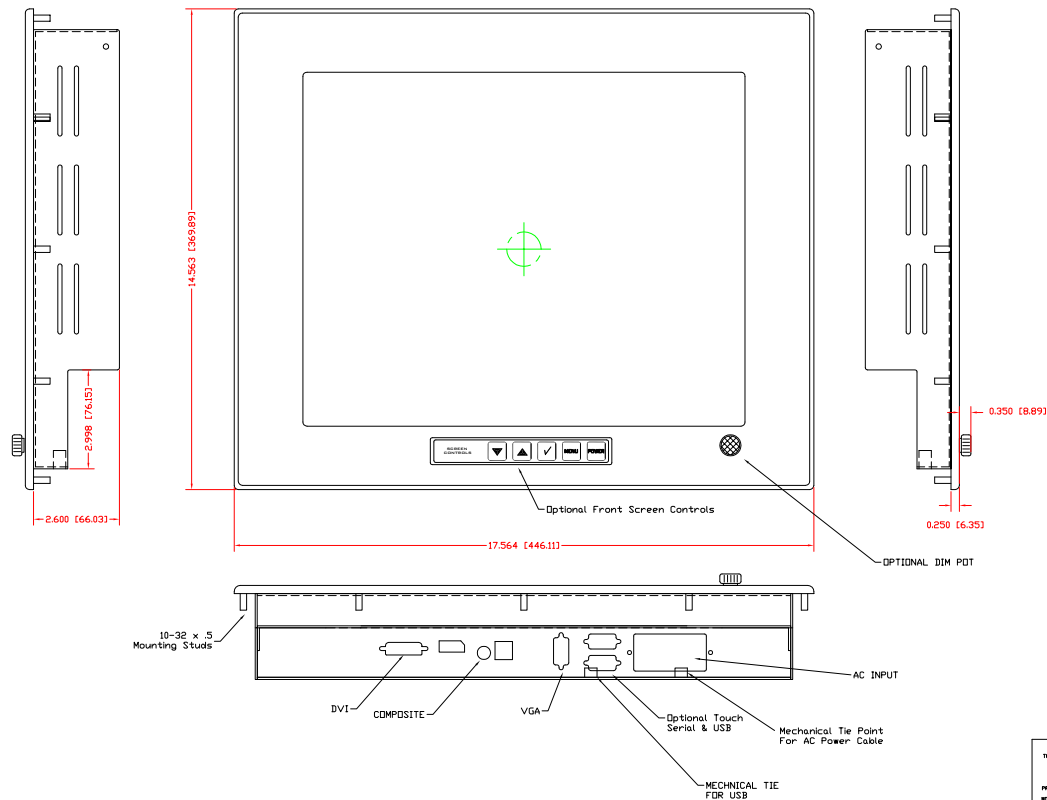
User Keypad (standard); Optional: Manual Full-Range, Automatic Dimming, or Remote Dimming

Custom Video Modes**Extended Operational Temperature Ranges****Power Type Choices**

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

Conformal Coating of all Internal Circuit Boards**Private Labeling Services****Customization Services****Sunlight Readable Model Available**

Mechanical Drawings



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02/26/20		CC		CLEANED UP PRINT

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PROJECT	PROJECT	DATE	DRAWING NUMBER	REV
17" PANEL MOUNT DISPLAY		1/20/20	PM-170[1]	(1)

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



AbraxSys
RUGGED LCD SOLUTIONS

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