



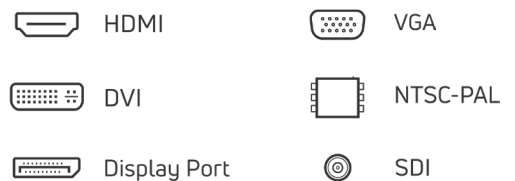
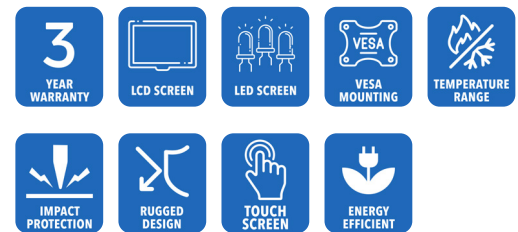
AbraxSys
RUGGED LCD SOLUTIONS

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

Model VM-190

Model VM-190 LCD monitor is a NEMA 12 (IP52) rated product and utilizes the latest 19" 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-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)

Contrast Ratio
1000:1

Aspect Ratio
5:4

Resolution
1280 x 1024 (SXGA) Native

Colors Supported
16.7M (8-bit/color)

Viewing Angles
-89° to 89° Horizontal
-89° to 89° Vertical

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

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, 20 to 53V DC

Physical Attributes

Panel Mounting
100mm VESA (10-32 screw)

Overall Dimensions
17.83 x 14.87 x 3.56 in
(453.03 x 377.90 x 90.41mm)

Warranty Period
3 Years

Environmental

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

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 which will not
loosen regardless of seat torque.
Designed to help make products
safer, lower warranty costs
and prolong equipment life by
eliminating vibration; increased
safety, reliability, operating life
and reduced maintenance.

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 12 / IP52

Additional Add-On Options

Touch Screen Technology

Resistive

Multi-Touch Up to 10-Point PCAP

Hardened Armored Touch Technology

Video Input Options

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

Custom Video Modes

Extended Operational Temperature Ranges

Conformal Coating of all Internal Circuit Boards

Power Type Choices

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

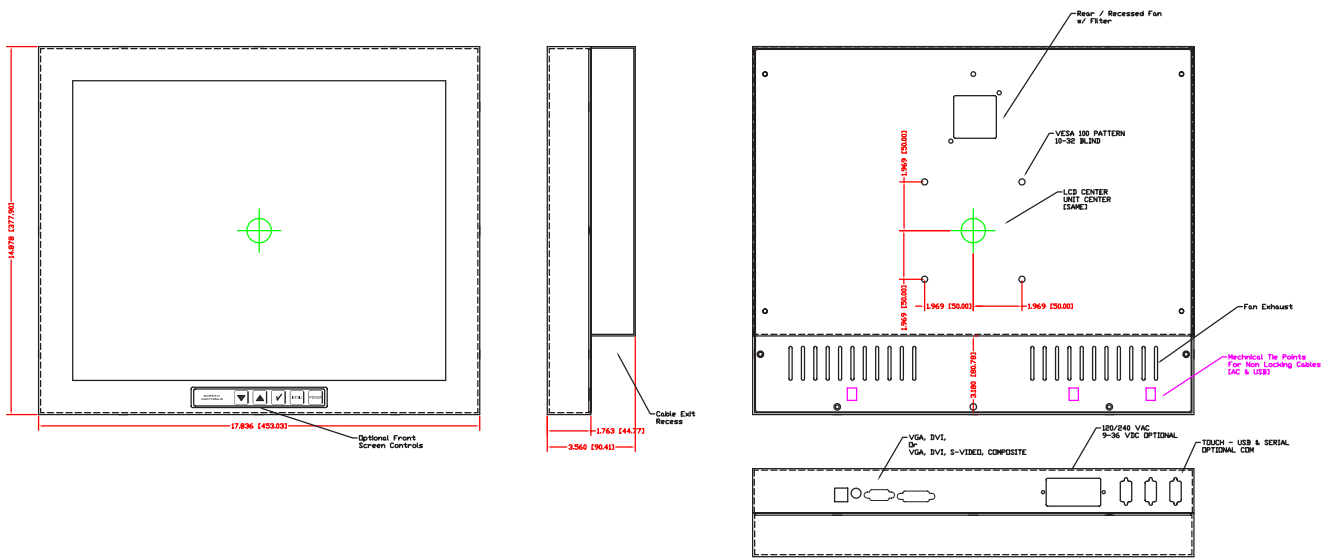
Private Labeling Services

Customization Services

Dimming Capabilities

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

Mechanical Drawings



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



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