



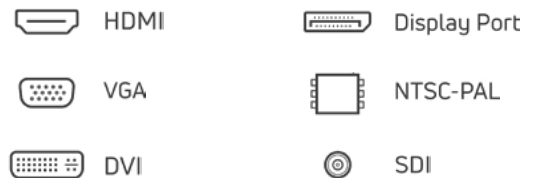
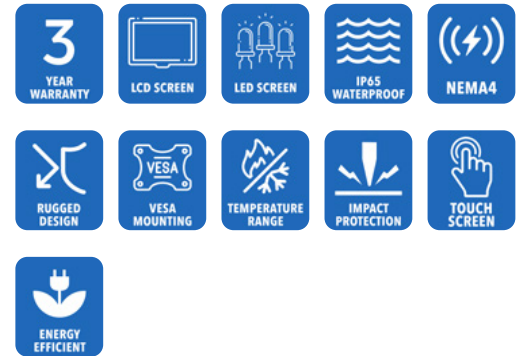
AbraxSys
RUGGED LCD SOLUTIONS

19" Industrial Grade NEMA 4 (IP65) Rugged VESA Mount LCD Monitor

Model FVM-190

Model FVM-190 LCD monitor is a NEMA 4 (IP65) 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 milled housing is constructed of 6061 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 that will perform reliably in harsh industrial environments. Many configurations available, including our Sun Readable SRD models.



Technical Specifications

General

Model: FVM-190	Contrast Ratio 1000:1	Manual Full-Range Dimming Turn Pot, Automatic Dimming Sensor, or Remote Dimming)
Display Size 19"	Aspect Ratio 5:4	Optical Bonding Optical Bonding
Display Type Long-Life Industrial Grade LCD	Resolution 1280 x 1024 (SXGA) Native	Protective Window 3mm Hardened Protective Window, for more information CLICK HERE (also available various optional Touch Screen Technologies)
Backlight Technology Long-Life Advanced LED Backlighting, over 100,000 Hours Half-Life	Colors Supported 16 million	Power Types 90 VAC to 264 VAC, 12V DC, 24V DC, 9 to 36V DC, 20 to 53V DC
Optical Films Enhancements Optical Bonding	Viewing Angles -85° / 85° horizontal, -80° / 80° vertical	
Brightness 450 nits (cd/m2)	Video Inputs DVI, HD15 (VGA), DisplayPort, Composite, S-Video, HD-SDI, HDMI	
Dimming Capabilities User Keypad (standard)	User Controls Front Keypad (can also be configured for rear controls, or	

Physical Attributes

Front Bezel Black Textured Finish per Military Standards FED-STD-595	Panel Mounting VESA 100mm	Sunlight Readability Sunlight Readable Model Available
Rear Enclosure High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595	Overall Dimensions 17.83" [453.03mm] x 14.87" [377.90 mm] x 3.56" [90.41mm]	Warranty Period 3 Years
	Sealability Waterproof Sealed Connectors Available	

Environmental

Sunlight Readability Sunlight Readable Model Available	Operating Temperature Range -30°C to 70°C (-22°F to 158°F)	Storage Temperature -30°C to 70°C (-22°F to 158°F)
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Humidity

5% to 95% RH (non-condensing)

Shock

Non-Operating: 200G, 2ms, half sine wave, 1 time for $\pm X$, $\pm Y$, $\pm Z$,
Operating: 30g's, 11ms, $\frac{1}{2}$ 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 4 / IP65

Additional Add-On Options

Touch Screen Technology

(USB or Serial): Links to the
various touch technologies:

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, HD-
SDI, and/or NTSC-PAL

Dimming Capabilities

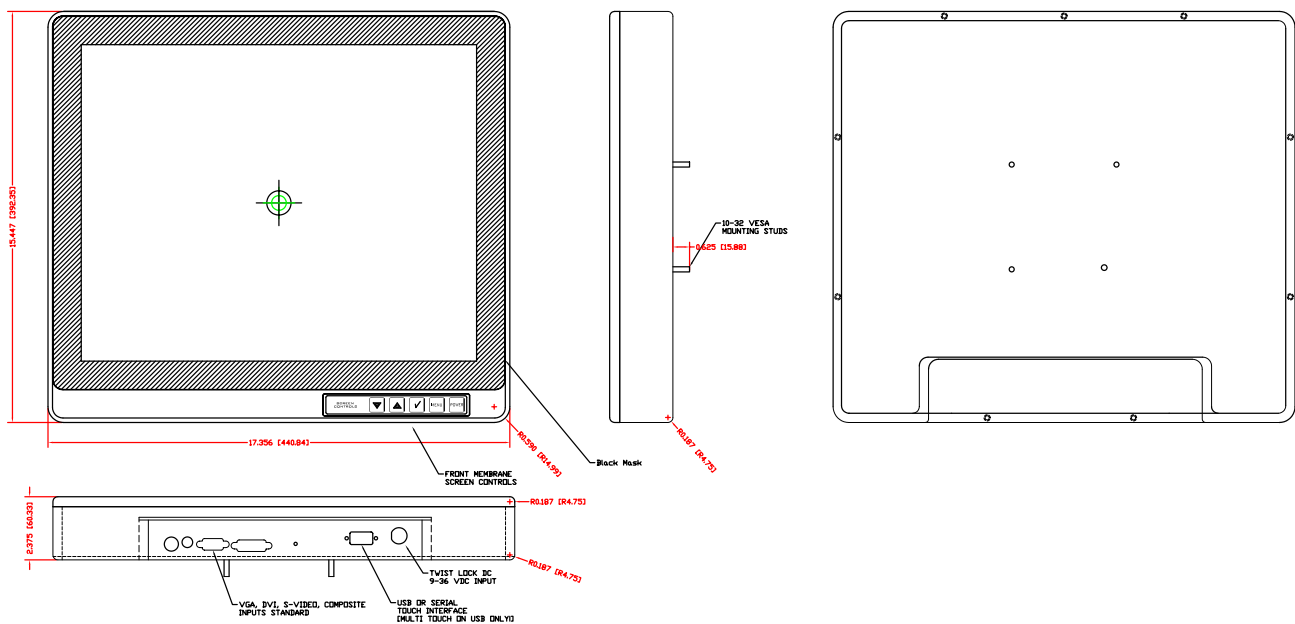
User Keypad (standard); Optional:
Manual Full-Range, Automatic
Dimming, or Remote Dimming

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



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



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