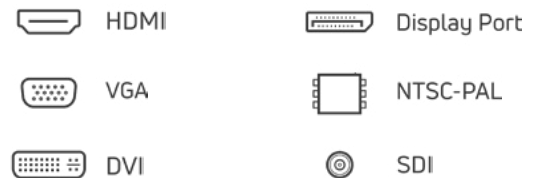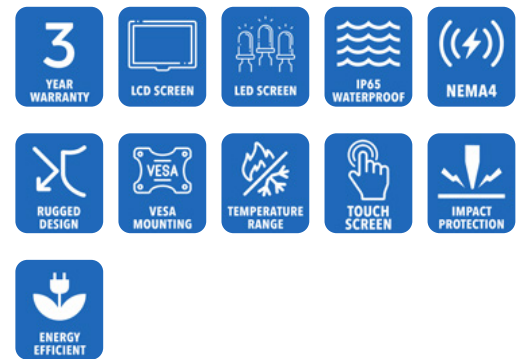# 15" Industrial Grade NEMA 4 (IP65) Rugged VESA Mount LCD Monitor

Model FVM-150

Model FVM-150 LCD monitor is a NEMA 4 (IP65) rated product and utilizes the latest 15" XGA 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 the will perform reliably in harsh industrial environments. Many configurations available, including our Sun Readable SRD models.

3 YEAR WARRANTY	LCD SCREEN	LED SCREEN	IP65 WATERPROOF	NEMA4
RUGGED DESIGN	VESA MOUNTING	TEMPERATURE RANGE	TOUCH SCREEN	IMPACT PROTECTION
ENERGY EFFICIENT				

HDMI		Display Port	
VGA		NTSC-PAL	
DVI		SDI	

Technical Specifications

General

Model:
FVM-150

Display Size
15"

Display Type
Long-Life Industrial Grade LCD

Backlight Technology
Long-Life Advanced LED Backlighting, over 100,000 Hours Half-Life

Brightness
500 nits (cd/m2)

Dimming Capabilities
User Keypad (standard)

Contrast Ratio
Exceptional 2500:1

Aspect Ratio
4:3

Resolution
1024 x 768 (XGA) Native

Colors Supported
16.7M (8-bit/color)

Viewing Angles
- 88° / 88° Horizontal
- 88° / 88° Vertical

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

User Controls
Front Keypad (can also be configured for rear controls, or Manual Full-Range Dimming Turn Pot, Automatic Dimming Sensor, or Remote Dimming)

Optical Bonding
Optional 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, 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

Overall Dimensions
11.098 x 15.15 x 2.37 in (281.89 x 384.81 x 60.20mm)

Sealability
Standard Connectors, Fully-Sealed, Weather Proof Connectors (optional)

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
-30°C to 70°C (-22°F to 158°F)

Storage Temperature
-40°C to 85°C (-40°F to 185°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 4 / IP65

Additional Add-On Options

Touch Screen Technology

Resistive

Multi-Touch 2-Point Resistive

Multi-Touch Up to 10-Point PCAP

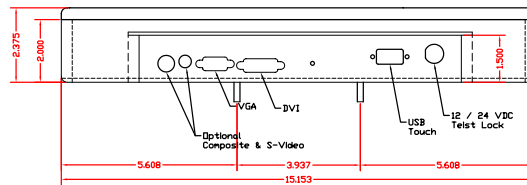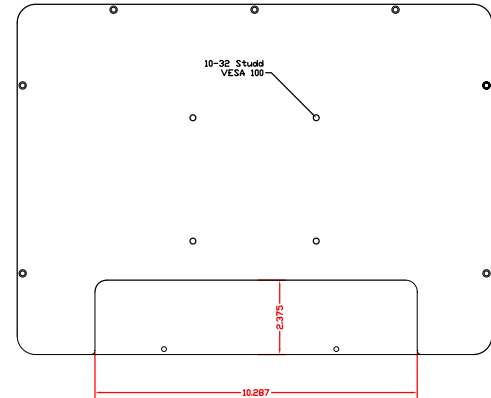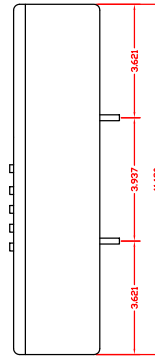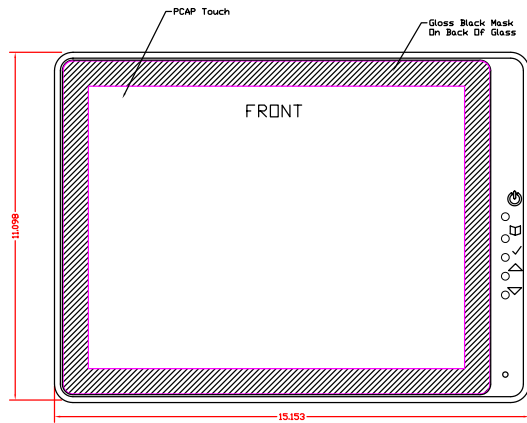**Hardened Armored Touch Technology**

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

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.