



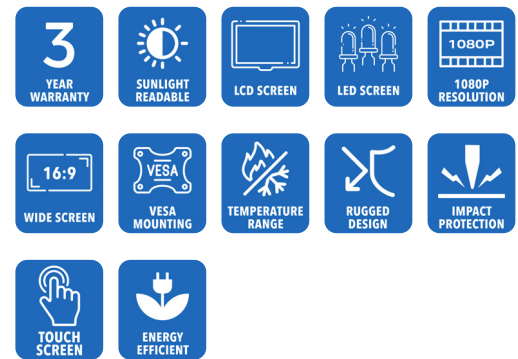
AbraxSys
RUGGED LCD SOLUTIONS

18.5" Ultra-Rugged Sunlight Readable Wide Format 1080P VESA Mount LCD Monitor

Model VM-185

Model VM-185 LCD monitor is a versatile VESA mountable LCD and utilizes the latest 18.5" 1920 x 1080 resolution 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 corrosion 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](#).



HDMI



VGA



DVI



NTSC-PAL



Display Port



SDI

Technical Specifications

General

Model: VM-185	Contrast Ratio 1000:1	User Controls Multi-Functional User Keypad
Display Size 18.5"	Aspect Ratio 16:9	Optical Bonding Optional Optical Bonding of Front Protective Glass or Touch Screen Window (for more information about its benefits CLICK HERE)
Display Type Long-Life Industrial Grade LCD	Resolution 1920 x 1080 (1080p)	Protective Window 3mm Hardened Protective Window, for more information CLICK HERE (also available various optional Touch Screen Technologies)
Backlight Technology Solid State, Long-Life LED – CLICK HERE for more information	Colors Supported 16.7M (8-bit/color)	Power Types 90 VAC to 264 VAC, 12V DC, 24V DC, 9 to 36V DC, 20 to 53V DC
Brightness 500 nits (cd/m2)	Viewing Angles -89° to 89° Horizontal -89° to 89° Vertical	
Dimming Capabilities Deep Dimming Down to Black	Video Inputs DVI, HD15 (VGA), DisplayPort, Composite, S-Video, HD-SDI, HDMI	

Physical Attributes

Front Bezel Stainless Steel	Panel Mounting 100mm VESA (10-32 screw)	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	Sunlight Readability The latest optical technology for high ambient light conditions	

Environmental

Sunlight Readability The latest optical technology for high ambient light conditions	Humidity 5% to 95% RH (non-condensing)	Vibration Operating: 1g RMS 20-500Hz, Non-Operating: 1.5G, 10 ~ 300 Hz, 10min/cycle, 3 cycles each X, Y, Z
Operating Temperature Range -30°C to 80°C (-22°F to 176°F)	Shock Non-Operating: 200G, 2ms, half sine wave, 1 time for ± X, ± Y, ± Z., Operating: 30g's, 11ms, ½ Sine	Fasteners Vibration-proof, self-locking, fastener system
Storage Temperature -30°C to 80°C (-22°F to 176°F)		

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 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**



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