



**AbraxSys**  
RUGGED LCD SOLUTIONS

# 19" Industrial Grade Rack Mount LCD Flat Panel Displays

**RM-190**

Model RM-190 is a high-quality industrial 19" wide Rack Mountable LCD monitor which boasts a 19" display size with 1280 x 1024 pixels, 450 NITS brightness (long-life LED backlight) and 1000:1 contrast ratio. The unit is constructed a black powder-coated front bezel.

This rugged model offers exceptional shock and vibration safeguards and its front bezel and rear housing are 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

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## General

**Model**  
RM-190

**Display Size**  
19.0"

**Display Type**  
Long-Life Industrial Grade Active Matrix TFT LCD

**Backlight Technology**  
Solid State, Long-Life LED –  
[CLICK HERE](#) for more information

**Brightness**  
450 nits (cd/m<sup>2</sup>)

**Dimming Capabilities**  
Front Keypad (can also be configured for rear controls)

**Contrast Ratio**  
1000:1

**Aspect Ratio**  
5:4

**Resolution**  
1280 x 1024 (SXGA) Native

**Colors Supported**  
16.7M (8-bit/color)

**Viewing Angles**  
-85° / 85° Horizontal  
-80° / 80° Vertical

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

**User Controls**  
Multi-Functional User Keypad

**User Controls**  
Front Keypad (can also be configured for rear controls)

**Power Types**  
90 VAC to 264 VAC, 12V DC, 24V DC, 9 to 36V DC, 20 to 53V DC

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## 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**  
19.00 x 15.719 x 2.60 in  
(482.6 x 399 x 66mm)

**Cutout**  
See Drawings

**Weight**  
18 lbs. (8.1 Kg)

**Warranty Period**  
3 Years

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## Environmental

**Operating Temperature Range**  
-30°C to 85°C (-22°F to 185°F)

**Storage Temperature**  
-30°C to 85°C (-22°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

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## Additional Add-On Options

**Touch Screen Technology**

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

**Resistive****Multi-Touch 2-Point Resistive****Hardened Armored Touch Technology****Extended Operational Temperature Ranges****Video Input Options**

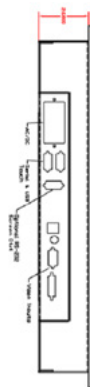
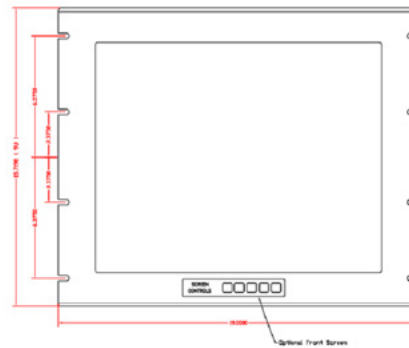
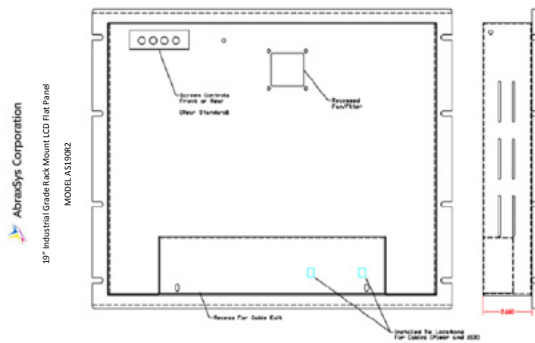
DVI, HD15 (VGA), DisplayPort, Composite, S-Video, HD-SDI, 4-Composite/NTSC-PAL, HDMI

**Dimming Capabilities**

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

**Custom Video Modes**

# Mechanical Drawings



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



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