

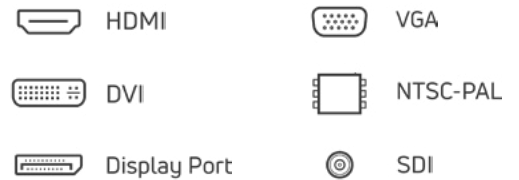
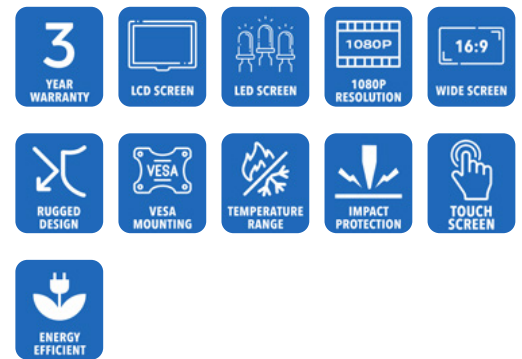


# 21.5" Industrial Grade NEMA 12 (IP52) Benchtop LCD Flat Panel Display

## Model T-215

Model T-215 LCD monitor is a NEMA 12 (IP52) rated product and utilizes the latest 21.5" True High-Definition 1920 x 1080 TFT Flat Panels and features wide viewing angles, exceptional colors and contrast, CR 5000:1. 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. The desktop stand has a rugged mountable Baseplate with an adjustable Universal Ball and Socket Mounting System. 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:**

T-215

**Display Size**

21.5"

**Display Type**

Long-Life Industrial Grade LCD

**Backlight Technology**

Solid State, Long-Life LED

[CLICK HERE](#) for more information

**Brightness**

400 nits (cd/m<sup>2</sup>)

**Dimming Capabilities**

Multi-Functional User Keypad

**Contrast Ratio**

5000:1

**Aspect Ratio**

16:9

**Resolution**

1920 x 1080 (1080p)

True High-Definition

**Colors Supported**

16.7M (8-bit/color)

**Viewing Angles**

- 89° / 89° Horizontal

- 89° / 89° 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 Optical Bonding of Front Protective Glass or Touch Screen Window (for more information about its benefits [CLICK HERE](#))

**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

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## Physical Attributes

**Front Bezel**

Stainless Steel

**Sunlight Readability**

The latest optical technology for high ambient light conditions

**Rear Enclosure**

High Grade 6061T Aluminum, Electrochemical Anodized for added Corrosion Resistance, Black Textured Finish per Military Standards FED-STD-595

**Overall Dimensions**

12.74 x 20.89 x 3.04 in  
(323.69 x 530.64 x 77.39mm)  
without stand

**Warranty Period**

3 Years

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## Environmental

**Sunlight Readability**

The latest optical technology for high ambient light conditions

**Operating Temperature Range**

-10°C to 50°C (14°F to 122°F)

Extended Operational Temperature Ranges Available

**Storage Temperature**

-20°C to 60°C (-4°F to 140°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

**EMI**

FCC Class B pursuant to Part 15  
of the FCC Rules

**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.

**Agency Compliance**

CE

**Altitude**

Operating 0 to 10,000 ft.  
Storage 0 to 40,000 ft.

**RoHS Compliant**

Yes

**Rating**

NEMA 12 / IP52

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## 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

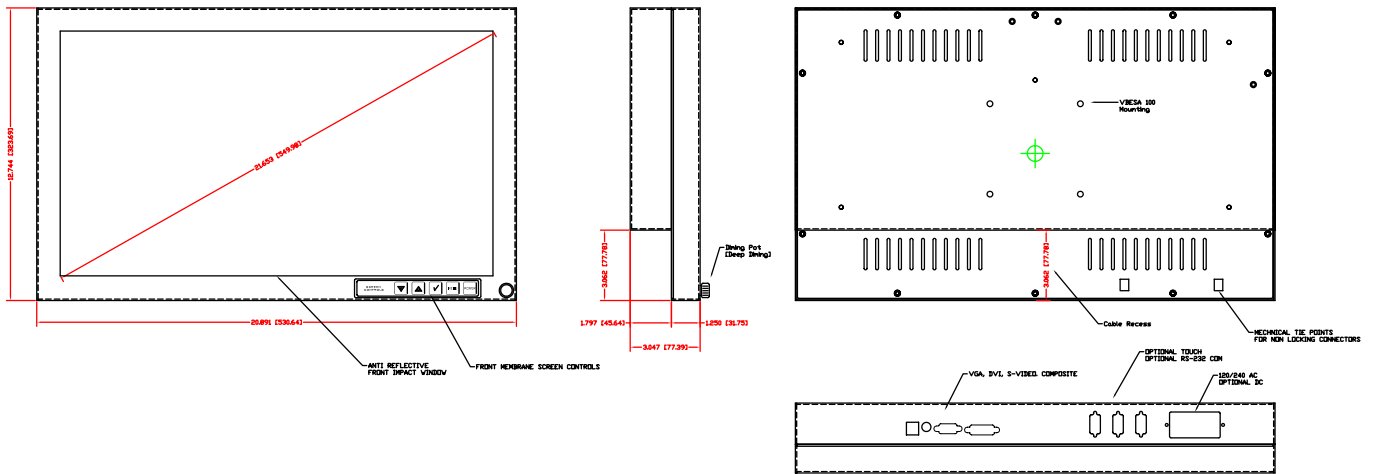
**Conformal Coating of all  
Internal Circuit Boards**

**Private Labeling Services**

**Customization Services**

**Sunlight Readable  
Model Available**

# Mechanical Drawings



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



**AbraxSys**  
RUGGED LCD SOLUTIONS

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