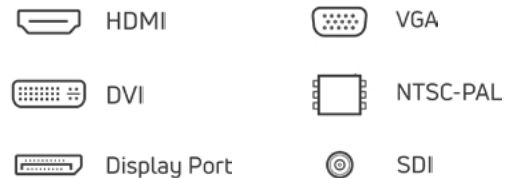# 15" Industrial Grade NEMA 12 (IP52) Rugged Benchtop LCD Monitor

Model T-150

Model T-150 LCD monitor is a NEMA 12 (IP52) 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. 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.

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

HDMI	VGA
DVI	NTSC-PAL
Display Port	SDI

Technical Specifications

General

Model:
T-150

Display Size
15.0"

Display Type
Long-Life Industrial Grade Active
Matrix TFT LCD

Backlight Technology
Solid State, Long-Life LED,
with Light Source Redundancy

Optical Films Enhancements
Optical Bonding

Brightness
500 nits (cd/m2)

Dimming Capabilities
Front Keypad, Can be Reposition
on the Rear of the Enclosure

Contrast Ratio
Exceptional 2500:1

Aspect Ratio
4:3

Resolution
1024 x 768

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
Multi-Touch Up to 10-Point PCAP
or 5-wire Resistive or Hardened
Armored 5-wire Resistive

Optical Bonding
Optical Bonding

Protective Window

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)
(w/o stand)

Warranty Period
3 Years

Environmental

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

Vibration
Operating: 1g RMS 20-500Hz

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 12 / IP52

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

Extended Operational Temperature Ranges

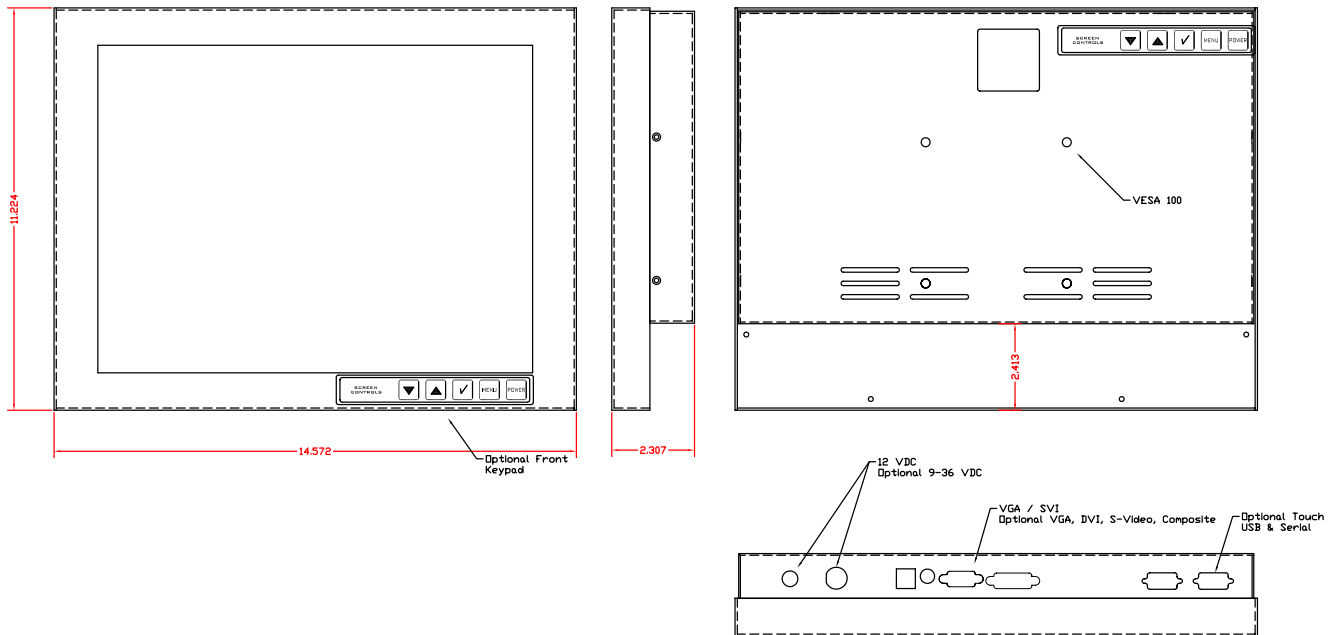**Customization Services**

Custom Video Modes

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

Sunlight Readable Model Available

Mechanical Drawings

Optional Front Keypad

11.224

14.572

2.307

VESA 100

2.413

12 VDC
Optional 9-36 VDC

VGA / SVI
Optional VGA, DVI, S-Video, Composite

Optional Touch
USB & Serial

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

AbraxSys
RUGGED LCD SOLUTIONS

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