



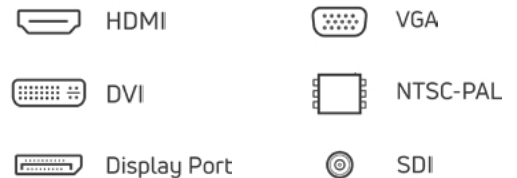
AbraxSys
RUGGED LCD SOLUTIONS

18.5" Ultra-Rugged Wide Format 1080P Benchtop LCD Monitor

Model T-185

Model T-185 LCD monitor is a versatile Benchtop/Tabletop 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 Sunlight Readable SRD model.



Technical Specifications

General

Model: T-185	Dimming Capabilities Optional Full-Range Manual Turn-Pot, Automatic Dimming Sensor, Remote Dimming	Video Inputs DVI, HD15 (VGA), DisplayPort, Composite, S-Video, HD-SDI, HDMI
Display Size 18.5"	Contrast Ratio 1000:1	User Controls Multi-Touch Up to 10-Point PCAP or 5-wire Resistive or Hardened Armored 5-wire Resistive
Display Type Long-Life Industrial Grade Active Matrix TFT LCD	Aspect Ratio 16:9	Optical Bonding Optical Bonding
Backlight Technology Solid State, Long-Life LED, with Light Source Redundancy	Resolution 1920 x 1080 (1080p)	Protective Window
Optical Films Enhancements Optical Bonding	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 - 88° / 88° Horizontal - 88° / 88° Vertical	

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	Cutout (see drawings)
	Overall Dimensions (see drawings)	Sealability NEMA 4X (IP66)
		Warranty Period 3 Years

Environmental

Operating Temperature Range -20°C to 70°C (-4°F to 158°F)	Shock Operating: 30g's, 11ms, ½ Sine	EMI FCC Class B pursuant to Part 15 of the FCC Rules
Storage Temperature -20°C to 70°C (-4°F to 158°F)	Vibration Operating: 1g RMS 20-500Hz	Agency Compliance CE
Humidity 5% to 95% RH (non-condensing)	Fasteners Vibration-proof, self-locking, fastener system	

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

Extended Operational Temperature Ranges**Custom Video Modes****Dimming Capabilities**

Standard, or Optional Full-Range
Manual Turn-Pot, Automatic
Dimming Sensor, Remote Dimming

Power Type Choices

90 VAC to 264 VAC; 12V DC; 24V DC; 9 to 36V DC; or 20 to 53V DC

Customization Services**Conformal Coating of all Internal Circuit Boards****Private Labeling Services****Sunlight Readable Model Available**

Mechanical Drawings

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



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