



**AbraxSys**  
RUGGED LCD SOLUTIONS

# 13.3" Sunlight Readable LCD 1450 Protector Case

Model A8104-133-1450

## 13.3" Rugged Sunlight Readable LCD Integrated into a Pelican 1450 Protector Case

Sensitive equipment needs protection, and the Pelican™ Protector Case offers unparalleled stability. These cases are designed rugged, and travel the harshest environments on earth. Against the extreme cold of the arctic or the heat of battle, Pelican cases have survived.

Made in the USA, these tough cases are designed with an automatic purge valve, that equalizes air pressure, a watertight silicone O-ring lid, over-molded rubber handles and stainless steel hardware. Equipped with retractable extension trolley handle, strong polyurethane wheels with stainless steel bearings, automatic pressure equalization valve – balances interior pressure, keeps water out, and easy open double-throw latches.

With a robust design and state-of-the-art features, these ruggedized LCD monitors meets the demands of today's harsh environment applications including ROV/Drones, First Responders, Military, Field Analysis, Offshore, Robotics, etc. While these display monitor/cases offer excellent mobility, we ensure that it can withstand the demanding conditions commonly encountered in these applications.

Multiple size LCD options, I/O configurations, and mounting possibilities.



# Technical Specifications

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## General

**Model:**

A8104-133-1450

**Display Size**

13.3"

**Display Type**

Long-Life Industrial Grade LCD

**Backlight Technology**

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

**Optical Films Enhancements**

Boosts efficiency of the backlight's light utilization and minimizes the surface reflection of ambient light. The result is a transmissive enhancement that features higher contrast and a wider range of colors, even in bright outdoor light, than traditional reflective LCDs.

**Brightness**

1200 nits (cd/m<sup>2</sup>)

**Dimming Capabilities**

Front Sealed Manual Full-Range Dimming Turn Potentiometer

**Contrast Ratio**

800:1

**Aspect Ratio**

16:9

**Resolution**

1920 x 1080 (1080p)  
– True High-Definition

**Colors Supported**

16.7M (8-bit/color)

**Viewing Angles**

-89° to 89° Horizontal  
-89° to 89° Vertical

**Video Inputs**

DVI, HDMI, DisplayPort, SDI, Composite

**User Controls**

Optional Front User Membrane Keypad

**Protective Window**

10-Point Multi-Touch Projected Capacitive Touch Window (PCAP) or Protective Window

**Power Types**

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

**Panel Mounting**

IP65 at LCD front bezel

**Overall Dimensions**

16.44 x 13 x 6.82 in  
(41.76 x 33.02 x 17.32 cm)

**Weight**

Configuration Dependent

**Sealability**

Extreme Anti-Shock and Anti-Vibration Design

**Sunlight Readability**

The latest optical technology for high ambient light conditions

**Warranty Period**

1 Year

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## Environmental

**Sunlight Readability**

The latest optical technology for high ambient light conditions

**Operating Temperature Range**

-30°C to 70°C (-22°F to 158°F)

**Storage Temperature**

-30°C to 70°C (-22°F to 158°F)

**Fasteners**

Vibration-proof, self-locking, fastener system

**EMI**

FCC Class B pursuant to Part 15 of the FCC Rules

**Humidity**

5% to 95% RH (non-condensing)

**Agency Compliance**

CE

**RoHS Compliant**

Yes

**Altitude**

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

**Rating**

NEMA 4 / IP65

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## Case Properties

Watertight, crushproof, and dustproof Polypropylene enclosure

IP67 case when latch closed

Open cell core with solid wall design – strong, light weight

Fold down Comfortable rubber over-molded handle

Easy open double-throw ABS latches

Stainless steel hardware and padlock protectors

Automatic pressure equalization valve – balances interior pressure, keeps water out

Purge Vent Material: 3 Micron Hydrophobic Non-Woven

Polymer O-ring seal (70 Shore Nitrile)

Stainless Steel Pins

MIL STD 810F case when latch closed

MIL STD 810G Fungus Test case when latch closed

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## Dimensions

**Exterior**

Inches: 16.44 x 13 x 6.82  
(41.76 x 33.02 x 17.32 cm)

**Interior**

Inches: 14.66 x 10.24 x 6.12  
(37.24 x 26.01 x 15.54 cm)

**Bottom Depth:**

4.37 (11.1 cm)

# Additional Add-On Options

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## Touch Screen Technology

### Multi-Touch Up to 10-Point PCAP

Or can be fitted with an Optical Grade Protective Impact Window

### Various Color Cases Available

Black (standard) or Desert Tan

### Video Input Options

DVI, HD15 (VGA), DisplayPort, HDMI, Composite, S-Video, and/or NTSC/PAL

Can be setup for Hot-Toggle Selection Between Multiple Video Inputs

### 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

Custom Boot-Up Splash Screen with YOUR Logo

### Private Labeling Services

### Customization Services

### Custom Video Modes

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



**AbraxSys**  
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