

ArgonFDS Small Display – ASD50

Rugged Military Displays for Dismounted or Mounted Operations



ArgonFDS offers a family of rugged military displays which are designed for airborne, land based vehicle or handheld applications. These displays have the smallest footprints on the market, are extremely lightweight, and consume low power. The ASD50 provides excellent display performance where size, weight, and power are at a premium, and ArgonFDS stands ready to customize the unit to fit specific program needs.

Over the years ArgonFDS has been developing and delivering compact displays that can be used for mounted or dismounted operations. For dismounted, displays can be configured with a variety of controls and connectors and are suitable for interfacing to the soldier level computer and/or batteries. The displays use little power in normal operation. A touch screen and high brightness option are available. For mounting, a variety of Helicoil inserts are available to ensure that the unit can be mounted for nearly any application.

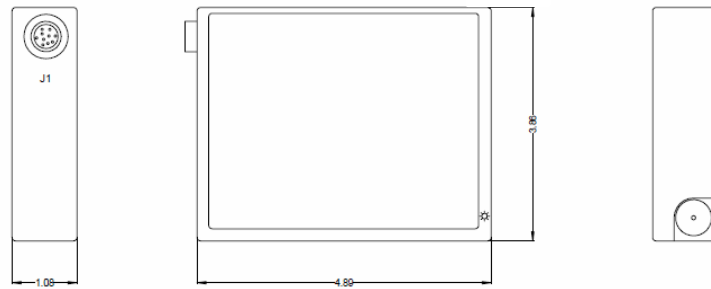
ArgonFDS has several existing configurations to choose from or the display can be mechanically configured to meet your exact program requirements.

Main Features:

- Extremely Small Mechanical Outline
- Low Weight/Power
- Day Light Readability (Option)
- Ruggedized Touch Screen (Option)
- Customizable Connector(s) and Connector Location(s)
- Customizable User Features/Controls

ArgonFDS has over 31 years of experience designing, producing and supporting a variety of rugged computing and display solutions that serve land based, naval and airborne applications. These solutions are also suitable for adjacent applications where extreme, combat like environments are present, such as oil and gas exploration, and mining activities.

ArgonFDS has developed a standing reputation for working with customers to design custom solutions and reliable products. Add to this extensive industry knowledge and Argon is a partner you can trust.



Technical Specifications for ASD50 (Typical)

Optical	
Viewable Area	5.0" Diagonal
Display Type	TFT LCD w/ LED Backlight
Resolution	640x480
Contrast Ratio	600:1
Brightness	300 nits Typical, 750 nits with High Bright Option
Touch Screen	Ruggedized, Analog Resistive
Overall Unit	
Dimensions (Typical)	4.89" x 3.86" x 1.09"
Weight	1.0 +/-lbs
Power Input	9 to 36VDC
Power Consumption	6W Typical, 8.5W with High Bright Option
I/O	RGB/DVI, Power, USB/232 (For Touch Option)
Connectors	Glenair Mighty Mouse® or Specify
Enclosure	Aluminum, Enclosed
User Controls	On/Off, Day/Night, OSD, Brightness, Optional Bezel Buttons
Other	Customizations and Adaptations Available on Request
Environmental	
Meets, but not Limited to, the Following Selected Specifications	
Operating Temp	-10°C to +55°C (-40°C optional)
Storage Temp	-40°C to +70°C
Shock	40g, 11msec
Vibration	2.25grms Random
EMI/EMC	Designed to MIL-STD-461
Altitude	Up to 40kft Operating, Non-Operating
Salt Fog, Sand/Dust	Resistant to Salt Fog, Unit is 100% Enclosed
Humidity	Operating & Storage – 95% @ 25°C, Non-Condensing