
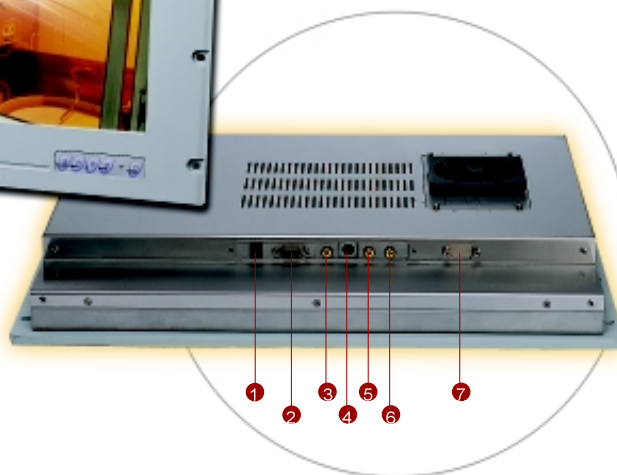


## AMB-280A series

### 18.1" Industrial Display Monitors



AMB-280A 



1. Adapter power input
2. RGB
3. Video out
4. S-Video
5. Video 1
6. Video 2
7. Resistive Touchscreen (optional)

#### Introduction

The AMB-280A industrial display panel is a rugged 18.1" SXGA (1280 x 1024) color TFT rack-mount display monitor. This is our largest panel size that meets EIA-RS310C rack specifications with a screen size larger than 19" traditional CRT monitors. It displays brilliant, crisp and flicker-free images with an equivalent screen size of 20" traditional CRT monitors. With the optional touchscreen, the AMB-280A is an excellent and user-friendly system control interface.

The AMB-280A provides all the requirements for an analog RGB interface that can be directly connected to standard VGA port, multi-scan function display in VGA, SVGA, XGA and text-mode in full screen. It also offers S-Video and Composite video AV signal and supports OSD function operating from the front to adjust the LCD. The chassis is constructed with an aluminum front panel and stainless steel chassis. This combination ensures a sturdy and corrosion resistant monitor and is NEMA 4/12 & IP65 compliant.

#### Features

- 18.1" SXGA color TFT LCD display
- Heavy-duty stainless steel chassis and aluminum alloy front panel
- EIA RS-310C 19" rack-mount 9U height
- Front panel is NEMA 4/12 & IP65 compliant
- OSD (On Screen Display) on the front panel for user

friendly operation in adjusting the LCD and power on/off.

- Strengthened glass protects the front panel from shock damage
- Analog RGB signal direct input offering multi-scan function
- S-Video and Composite video AV input signal selectable
- VGA cable length supports up to 20 Meters
- Resistive Touchscreen (optional)

#### Specifications

- **Construction:** Heavy-duty stainless steel chassis & Aluminum alloy front panel meets NEMA4/12 & IP65
- **Front Panel color:** RAL-7035 (white)
- **Mounting:** Rack mount 9U height or swivel arm
- **Input signal:** RGB, Composite video, S-Video
- **Control:** OSD(On Screen Display) on front panel
- **Power Supply:** External power adapter
- **Dimensions (W x H x D):**  
483 x 399 x 55mm (19" x 15.7" x 2.2" )
- **Carton dimensions (W x H x D):**  
585 x 510 x 219mm (23.1" x 20" x 8.6")
- **Gross Weight:** 15.3Kg (33.7 lbs)

## LCD Specification

<b>Model</b>	AMB-280A
<b>Display type</b>	18" color TFT LCD
<b>Max. resolution</b>	1280 x 1024
<b>Max. colors</b>	256K
<b>Dot size (mm)</b>	0.2805 x 0.2805
<b>Luminance (cd/m<sup>2</sup>)</b>	235
<b>Viewing angle</b>	160° (H)
	160° (V)
<b>Operating temperature</b>	0° ~50° (32~122°F)
<b>OSD</b>	Yes
<b>LCD MTBF (Hrs)</b>	50,000
<b>Back Light MTBF (Hrs)</b>	25,000

## Environmental

- **Operating temperature:** 0° to 50°C (32~122°F)
- **Storage temperature:** -20° to 60°C (-4~140°F)
- **Storage humidity:** 5 to 95%, non-condensing
- **Vibration:**  
5 to 17 Hz, 0.1" double-amplitude displacement  
17 to 500 Hz, 1.5G peak to peak
- **Shock:** 10G peak acceleration (11 msec. duration)
- **EMI:** meet CE / FCC Class A

## Touchscreen (optional)

**Type:** 8-wire, analog resistive

**Resolution:** 1024 x 1024

**Light transmission:** 72%

**Operating pressure:** 30-45 grams for finger, 10 grams for stylus pen. Contact bounce < 10ms

**Controller:** RS-232 interface

**Power consumption:** +5V @200mA

**OS support:** MS DOS, Windows 3.1, Windows 95, Windows 98, Windows NT, Windows 2000.

## Ordering Information

- **AMB-280A**  
18" TFT LCD, external power adapter and 1.2m VGA extension cable
- **AMB-280AT**  
AMB-280A + touchscreen (RS-232 interface)
- **ARM-LA0115**  
Swivel arm with VESA 75/100mm standards

## Dimension

