

AWM3R ALL-WEATHER MONITOR - RGB INPUT

The AWM3R display series when compared with the AWM2, offers a slimmer profile and industry standard PC connectors. Multiple mounting options allow for easy integration into confined spaces typically found in rugged industrial and mobile applications.

STANDARD FEATURES

- (1) Analog RGB Video Input
- Auto Scaling VGA to UXGA
- IP68 Sealed Connectors*
- LED Backlight (3000:1 Dimming Ratio)
- Anti-Reflective and Anti-Glare Treatments
- Enhanced Sunlight Readability
- IP67/NEMA 6 Enclosure
- 8.4", 10.4", 12.1" and 15.0" TFT AM LCD
- User Configurable Power/Brightness Settings

OPTIONAL FEATURES

- Resistive Touch Screen (USB/RS-232 Selectable)
- USB Pass-through with IP68 Sealed Connector
- XGA Resolution (1024x768)



* Cables not included

STANDARD



Panel Mount
(shown with
accessory #900000)



RAM Mount
(shown with accessory
#220901 or #220916)

OPTION



Flush Mount



LCD Size	Resolution	Nits	Viewing Angle	Contrast Ratio	Maximum Power Consumption
8.4” TFT AM LCD	SVGA (800x600)	800 nits	160° (H) x 160° (V)	900:1	20 Watts
10.4" TFT AM LCD	SVGA (800x600)	800 nits	160° (H) x 160° (V)	900:1	20 Watts
10.4” TFT AM LCD (Optional)	XGA (1024x768)	1,000 nits	160° (H) x 130° (V)	700:1	20 Watts
12.1" TFT AM LCD	SVGA (800x600)	550 nits	160° (H) x 140° (V)	600:1	20 Watts
12.1” TFT AM LCD (Optional)	XGA (1024x768)	1,000 nits	160° (H) x 140° (V)	600:1	20 Watts
15.0" TFT AM LCD	XGA (1024x768)	800 nits	160° (H) x 140° (V)	800:1	40 Watts
Technical Specifications					
Display	8-bit color, 16,777,216 colors				
Dimming Ratio	3000:1				
Video Inputs	RGB				
Connectors*	<ul style="list-style-type: none">▪ DB-15 - RGB Video▪ MIL-C Power (3-pin)▪ DB-9 Touch (optional)▪ USB Type-A (optional)				
Housing	Milled AL, Black Anodized, UV Clear Coat				
Mounting	Flush, Panel or RAM Mount				
Wide Range DC Power Input†	10-36 VDC (12,24,28 VDC nominal)				
Power Conditioning	Protected against Internal Short Circuit, Load Dump, Over Voltage and Reverse Polarity				
Environmental Specifications					
IP Rating	IP67 (NEMA 6 Submersible)				
Operating Temperature	-30°C to 71°C (-22°F to 160°F); (-20°C (-4°F) with Touch Option)				
Storage Temperature	-51°C to 71°C (-60°F to 160°F)				
Humidity	0-100%				
Shock	50 G				
Vibration	5.8 G (5-500 Hz)				
Altitude	45,000 ft.				
EMI	Designed to meet FCC B, CE				

* - Please note cables not included; compatible with standard video cables. MIL-DTL-26482 Series I, 3-pin power cable mate and strain relief are included. Part#: PT06E833SSR.

† - The power range specified covers momentary environmental fluctuations generally found in a mobile environment while display is operating. For power initialization and continual operation, nominal voltages are required.

ON-GOING PRODUCT DEVELOPMENT MAY NECESSITATE DESIGN AND SPECIFICATION CHANGES WITHOUT NOTICE.