

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/RS232 Selectable)
- USB Pass-through with IP68 Sealed Connector
- XGA Resolution (1024x768)



* - 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.

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	-20°C to 70°C (-4°F to 158°F) - (-40°C with heater option)
Storage Temperature	-40°C to 80°C (-40°F to 176°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

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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.

NOTE: CONTINUOUS PRODUCT DEVELOPMENT MAY NECESSITATE SPECIFICATION CHANGES AND DESIGN WITHOUT NOTICE