

AWMR

ALL-WEATHER MONITOR with VGA INPUT

The slim-profile, lightweight AWMR all-weather monitor is housed in a billet aluminum enclosure with sealed connectors. Multiple mounting options allow for easy integration into confined spaces typically found in rugged industrial and mobile applications.

STANDARD FEATURES

- VGA Input (1)
- SVGA Resolution (800x600)
- Auto Scaling VGA to UXGA
- 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 AMLCD
- 10 ft. RGB, Touch and Power Cable Included

OPTIONAL FEATURES

- Resistive Touch Screen (USB or RS232 Interface)
- XGA Resolution (1024x768)
- USB Pass-through with Sealed Connector
- External VAC 120/240 Power Supply

STANDARD MOUNTS



* - Standard cable length is 10 ft; inline amplifiers recommended for longer cable.

OPTIONAL MOUNTS



Panel



RAM



Flush



Rack



LCD SIZE	RESOLUTION	LUMINANCE	VIEWING ANGLE	CONTRAST RATIO	MAXIMUM POWER CONSUMPTION
8.4" TFT AMLCD	SVGA (800x600)	800 nits	160° (H) x 160° (V)	900:1	20 Watts
10.4" TFT AMLCD	SVGA (800x600)	800 nits	160° (H) x 160° (V)	900:1	20 Watts
10.4" TFT AMLCD (Optional)	XGA (1024x768)	800 nits	160° (H) x 160° (V)	900:1	20 Watts
12.1" TFT AMLCD	SVGA (800x600)	600 nits	170° (H) x 170° (V)	750:1	20 Watts
12.1" TFT AMLCD (Optional)	XGA (1024x768)	1000 nits	190° (H) x 190° (V)	750:1	30 Watts
15.0" TFT AMLCD	XGA (1024x768)	600 nits	160° (H) x 160° (V)	600:1	40 Watts

TECHNICAL SPECIFICATIONS

Display	8-bit color, 16,777,216 colors, TFT AMLCD (Thin-Film Transistor Active-Matrix Liquid-Crystal Display)
Dimming Ratio	3000:1
Video Inputs	VGA (1)
Connectors/Cable*	<ul style="list-style-type: none"> ▪ Sealed Fischer to High Density DB-15 ▪ JAE to Flying Leads DC Input ▪ JAE to DB-9 Touch (Optional) ▪ JAE to Type-A USB Touch (Optional) ▪ JAE to Type-A USB Pass-through (Optional)
Housing	Milled AL, Black Anodized, UV Clear Coat
Mount Options	Standard: Panel or RAM; Optional Flush or 19" Rack, quoted individually.
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 71°C (-4°F to 160°F); (-40°C (-40°F) with heater 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

* - Standard cable length is 10 ft; inline amplifiers recommended for longer cable.

† - 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.

AWMR SERIES(M)© 9/2022



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