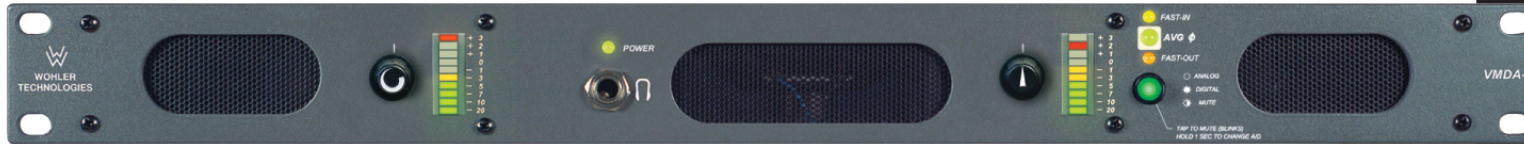


World Leader • In-Rack • Audio & Video Monitoring

WOHLER VMDA-1

“Confidence Plus” Digital & Analog Audio Monitor - 1 Stereo Channel



January 28, 2004

Introducing the VMDA-1, from our new line of “confidence plus” audio monitors. A very compact & light, digital & analog audio monitor at a very cost effective price. The single-rackspace VMDA-1 offers selectable monitoring of either 1 stereo analog or 1 AES/EBU digital audio source, with excellent full-range fidelity far exceeding that of competitive units. Two front-firing midrange-tweeter speakers and a compact high-performance woofer are arranged in Wohler Technologies' popular bi-amp design. All Wohler speaker systems are protected against blow-out by limiters. The summed bass feature is important for audible detection of “out of phase” conditions. Electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds.

The unit features 2 ten-segment VU LED bargraphs level meters. Fast and averaging “phase” LEDs give visual alert of “out of phase” conditions. An analog output of the selected analog or digital stereo source is provided on the rear panel. A lighted pushbutton switches between the analog or digital inputs. A front-panel mute function is engaged by tapping the Analog/Digital selector button briefly, the button's light blinks while speakers are muted. Muting may also be activated from a switch remoted from the rear panel (optional extra). An auxiliary analog output of the selected analog or digital source is provided on the rear panel.

The VMDA-1 is completely magnetically shielded to allow interference-free operation immediately adjacent to all CRT video monitors. The light weight and shallow depth chassis compared to similar-type units, make it ideal for use in portable and mobile vehicle applications. Built and rigorously tested in the USA, the VMDA-1 is backed by a strong warranty and a “Satisfaction Guaranteed” return policy.

Features:

- Only One Rack Space High
- Powerful 96dB SPL at 2 feet (0.6m)
- Select from Balanced or Unbalanced AES/EBU digital and Analog Sources
- 1 Balanced AES/EBU Input
- 1 Unbalanced AES/EBU Input
- 2 Balanced Analog Inputs (1 Stereo)
- 2 Balanced Analog Outputs (1 Stereo)
- 2 Ten-Segment VU Level Meters
- Phase / Polarity Indication
- Front Panel Speaker Muting
- Thorough Magnetic Shielding for Placement next to Video Monitors
- Headphone Jack, Mutes Speakers
- Blowout-Proof Speakers
- Lightweight and Shallow-Depth Chassis
- Internal Universal AC Mains Power Supply
- Also Available, VMDA-4 with 4 Stereo AES/EBU or Analog Inputs

I-TECH
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Wohler

Audio Monitoring

Level Metering

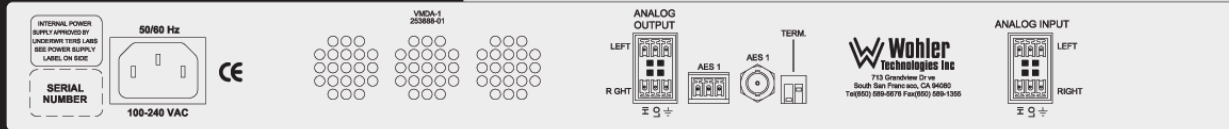
Alarm Systems

Video Monitoring

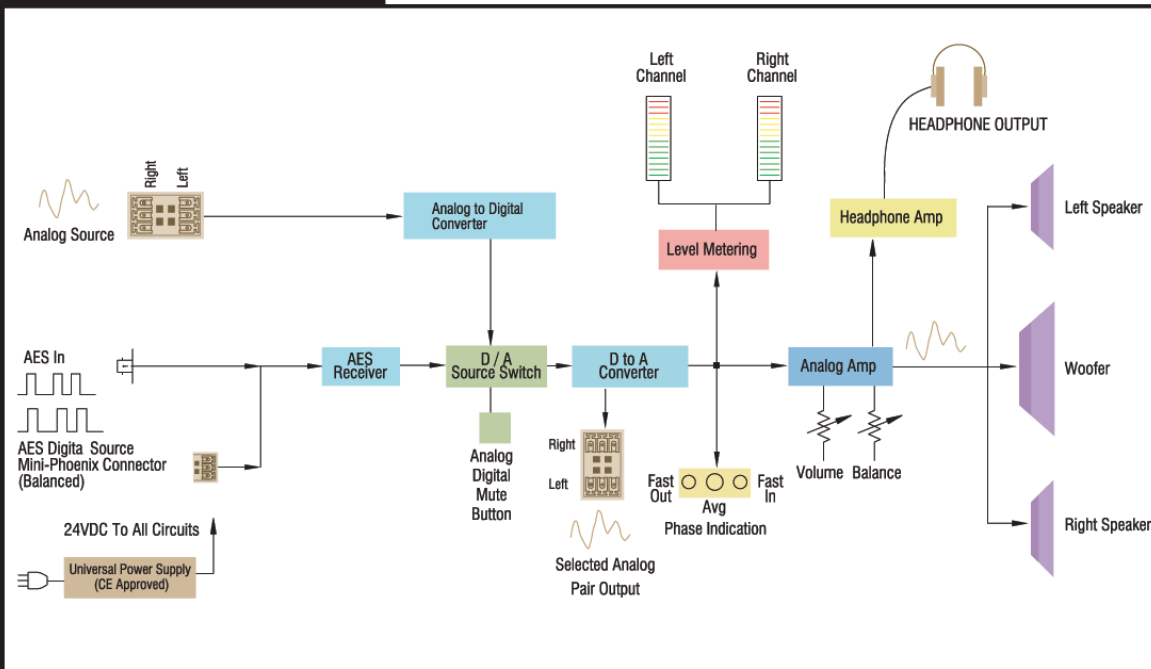
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Rear Panel:



System Diagram:



Specifications:

AES/EBU Input(s)	1 balanced (mini phoenix) or unbalanced (BNC)
Analog Input(s)	2 balanced (1 Stereo) (mini phoenix)
Analog input impedance	> 100 kOhms balanced
AES/EBU input termination	110 Ohms balanced, 75 Ohms unbalanced
AES/EBU input sampling rate	32-48kHz, auto-detecting
Input level for full output (volume full on)	0 dBv analog -20dBfs digital
Hum and noise	better than -70 dB below full output
Acoustic frequency response	.80 Hz to 16 kHz (± 6dB)
Peak acoustic output @ 2 feet	.96dB SPL
Electrical distortion	<0.3% at any level below limit threshold
Acoustic distortion	typically <2% at any level below limiting, 100Hz - 15KHz
Magnetic shielding	< 1 gauss any adjacent surface
Connectors	balanced: mini-phoenix unbalanced: BNC
Power consumption	<70W
Dimensions (HxWxD)	1.75 x 19 x 8.5" (44.5 x 483 x 216mm)
Weight	6.8 lbs. (3.1kg)
Power supply	100 to 240VAC, 50/60Hz universal input CE and UL approved

All specifications are subject to improvement