

# 2-Channel Analog Audio Monitors

AMP1A-30, AMP1A-106, AMP1A-Plus, and AMP1A-LP10S



## 2-channel analog audio monitor with LED level meters (N/A for the AMP1A-Plus)

The AMP1A Series monitors provide self-powered, full fidelity stereo audio monitoring of 2 analog channels (1 stereo pair) in the smallest rack space possible. These units contain four high performance transducers driven by three power amplifiers: one amplifier/driver combination handles midrange and high frequency information in stereo, while the second handles summed low frequency information below the 500 Hz crossover point.

The unique design provides optimally focused sound for operators in an ultra near field (1 to 3 ft.) working environment and offers performance comparable to that of many separate monitor pairs, yet does so without the installation hassles, awkward speaker placements and “added-on” look. This provides for a higher SPL for the operator while reducing overall ambient sound and adjacent bay crosstalk.

Extended HF response reveals potential problems with audio whine or hiss. Electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds. A headphone jack is provided on the front panel; usage automatically mutes the speakers.

### Features

- Full fidelity audio monitoring in only 1RU
- Premium quality drivers and power amplifiers
- Two balanced analog Inputs with loop-through (1 stereo)

### Benefits

- Thorough magnetic shielding allows placement next to video monitors.
- Extended Frequency Response and Low Distortion provide excellent reproduction.
- Audible indication of phase/polarity provides instant information.



### Order Part Numbers

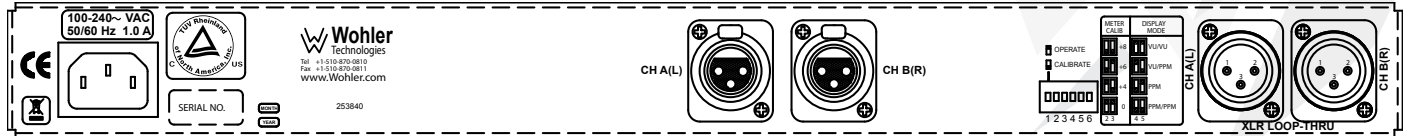
AMP1A-30:	8100-0070 (horizontal, 30-segment meters)
AMP1A-106:	8100-0060 (horizontal, 106-segment meters)
AMP1A-Plus:	8100-0320 (no level meters)
AMP1A-LP10S:	8100-0130 (vertical, 10-segment meters)

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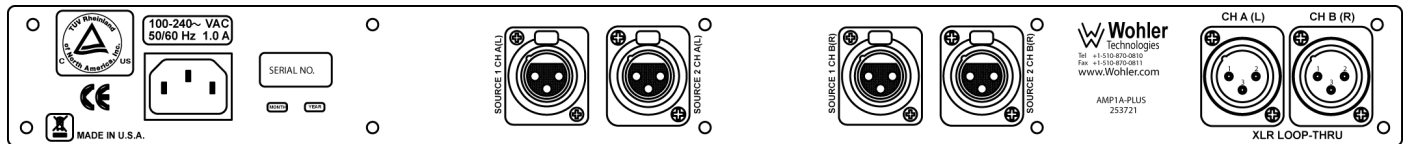
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## Rear Panels

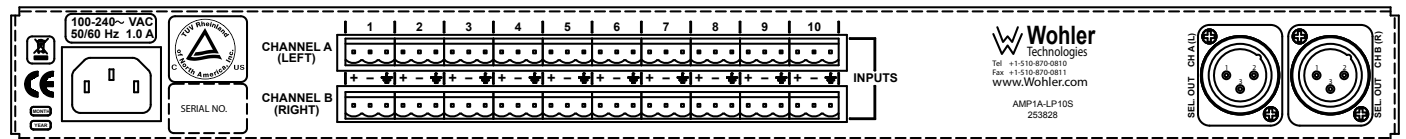
AMP1A-30 AND AMP1A-106



AMP1A-PLUS



AMP1A-LP10S



## Specifications

	AMP1A-30	AMP1A-106	AMP1A-Plus	AMP1A-LP10S
Inputs	2 balanced analog audio on XLR (left & right)		4 balanced analog on XLR (left and right)	20 balanced analog audio on 2 banks of 10 Phoenix (left & right)
Outputs	2 analog audio on XLR (left & right)			
Level Meters	2 (Large) 30-Segment Horizontal	2 (Medium) 106-Segment Horizontal	None	2 10-Segment Vertical
Power Requirements	Mains power 100 to 240 VAC 10%, 50/60Hz.			
Power Consumption	Approximately 35 W			
Supplied Accessories	AC power cord			AC power cord 3-position Phoenix plugs
Level Meter Scaling	AES • VU • Ext. VU • BBC • EBU • Nordic • DIN • Custom			
Peak Acoustic Output at 2 feet	98 dB SPL			
Power Output	10 W transient / 5 W continuous 20 W transient / 10 W continuous			
Acoustic Frequency Response	80 Hz to 16 kHz $\pm$ 7 dB (-10 dB @ 50 Hz to 22 kHz)			
Hum and Noise	Better than -68 dB below full output			
Analog Input Impedance	40k $\Omega$ > Balanced			
Distortion, Electrical	< 0.15% at any level below limit threshold			
Distortion, Acoustic	8% or less at worst case frequencies above 180 kHz including cabinet resonance; typically <2%			
Magnetic Shielding	<1 Gauss any adjacent surface			
Dimensions (W x H x D)	1RU in a standard 19" rack • 19" x 1.75" x 11" (483 mm x 44.45 mm x 279.4 mm)			
Shipping Weight / Net Weight	14 lbs (6.4 kg)		10 lbs (4.5 kg)	14 lbs (6.4 kg)

[View the complete list of specifications online at wohler.com](http://www.wohler.com)