

VMQ-4



4-Channel Analog Audio Monitor



Description

The VMQ-4 audio monitor from Wohler Technologies offers voice quality confidence monitoring of up to 4 analog channels simultaneously. The VMQ-4 only requires a compact 1U of rackspace and is available at a very cost effective price.

Because each channel has its own dedicated power amplifier and speaker, the audio sources remain completely separate from input to output. When listening within ultra near field distances of 1 to 3 feet, these discrete speaker outputs provide enhanced source distinction when compared to designs with four inputs mixed into a single output. Each channel has an LED which illuminates when a signal is present at the input allowing the operator to easily

determine at a glance which channels are currently active, very helpful when quick volume adjustments are required. Separate mute buttons are provided for each channel; these together with an LED that indicates channel muting allow an operator to quickly mute one or more channels. A stereo headphone jack has Channels 1 and 2 summed on the left side, and Channels 3 and 4 on the right side.

The VMQ-4 is completely magnetically shielded to allow interference-free operation immediately adjacent to all CRT video monitors. The lighter weight and shallower-depth chassis compared to similar-type units, make it ideal for use in portable and mobile vehicle applications.

Features

- Mute button and LED for each channel
- Space saving 1RU
- Dedicated Input for each output channel
- Powerful 94dB SPL at 2 feet (0.6m)

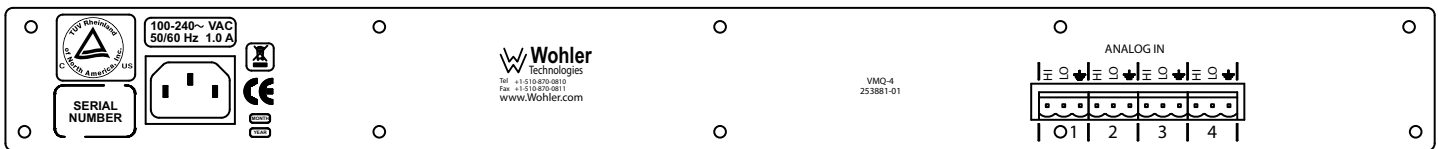
- 4 balanced analog inputs
- Signal present LED on each channel input
- Headphone jack mutes speakers
- Blowout-proof speakers

Benefits

- Monitoring of 4 discrete audio channels in 1 unit
- Thorough magnetic shielding for placement next to video monitors

- Lightweight and shallow-depth chassis
- Quick and simple installation

Rear Panel



Order Part Number

VMQ-4: 8110-0030



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Physical Specifications

Dimensions (H x W x D)	1.75" x 19" x 9.7" (44.5 mm x 483 mm x 246 mm)
Shipping weight	10 lbs (4.5 kg)
Space requirements	1RU in a standard 19" rack
Supplied accessories	AC external power cord
Power connector	plugs into standard U.S. outlet. Alternate power cables are available.
Power requirements	power to the unit is 100 to 240 VAC \pm 10%, 50/60Hz.
Power consumption	20 W average; 30 W maximum
Inputs	4 mini Phoenix
Outputs	—
Additional rear panel controls	—
Input impedance	>100 k Ω balanced • >50 k Ω unbalanced
full output (volume full on)	0 dBv balanced • -12dBv unbalanced
Hum and noise	better than -70 dB below full output
Frequency response	300 Hz to 16 kHz (\pm 9dB)
Maximum acoustic output	94 dB SPL at 2 feet
Electrical distortion	< 0.2% at any level below limiting threshold

Block Diagram

