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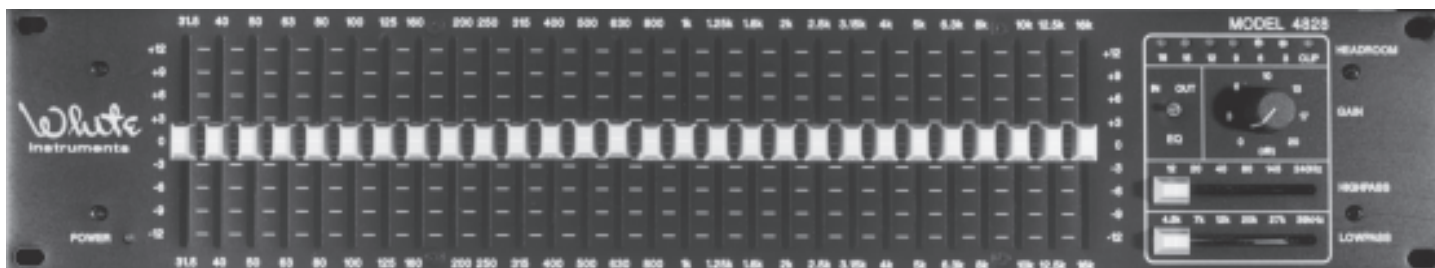
Our Mailing and Shipping Address:

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Note: Repairs and packages should be shipped to Suite 202

Model 4828

R-C Active, One-Third Octave Graphic Equalizer



System Features

- ❖ Engineered for Ease of Operation, Reliability and Performance.
- ❖ Quality Electronic Components and Construction.
- ❖ Three Year Limited Warranty
- ❖ Ultra Low Noise
- ❖ Latching XLR & Parallel TRS Connectors
- ❖ Internal 90-130 or 180-260 VAC Factory Set Power Supply
- ❖ CE Compliant
- ❖ Made in The USA by the Company that Pioneered Equalization.

Features + Economy:

The Model 4828 is a 28-band, R-C active graphic equalizer featuring a level control with up to 20dB gain; EQ in/out switch; adjustable high and low-pass filters; and 7 LED bargraph headroom indicator. The filter controls are 60mm slide faders with center detents and dust shields.

28 One-Third Octave Filters, 31.5Hz - 16kHz:

On I.S.O. standard frequency centers. Minimum phase type, ± 12 dB range. Close center frequency tolerances, $\pm 5\%$. Adjacent filters sum with less than 0.125dB ripple. The low noise specification is not degraded with adjustment of the filters.

60mm Linear Controls with Center Detents and Dust Shields:

The longest control available for a 3.5 in. chassis. Provides greater EQ adjustment resolution.

EQ In/Out Switch:

Operates silently for convenient comparison.

High and Low-Pass Filters:

Band-limit unwanted subsonic and ultrasonic noise. Continuously adjustable, 12dB/octave high-pass 12Hz - 240Hz and low-pass 40kHz - 4kHz.

High Current, Balanced, Differential Output Stage:

Will drive 600 ohms to +21dBu while maintaining 0.02% THD.

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Specifications:

Safety Certification:

CE.

Number of Channels:

One.

Frequency Range:

20Hz (-1dB) through 20kHz (-0.5dB), typical with all 1/3 octave filters set at center detents.

Dynamic Range:

109dB.

Recommended Operating Level:

0dBu (0.775 volts rms).

Maximum Operating Level:

+21dBu into 600 ohms.

Noise:

Better than -90dBu (re. 0.775 volts) at unity gain, 20kHz bandwidth. Worst case.

Distortion:

Less than 0.02% THD into 600 ohms, 20kHz bandwidth.

Filter Type:

R-C active, single-pole pair.

Filter Control Centers:

28 one-third octave filters on I.S.O. standard frequency centers from 31.5Hz through 16kHz.

Center Frequency Tolerance:

±5%.

Filter Controls:

60mm linear potentiometers with center detents and integral dust covers.

Filter Control Range:

±12dB at center frequency, Detent at 0dB (±0.5dB).

EQ In/Out Switch:

Front panel mounted. By-passes 1/3 octave filters only. Silent operation.

High-Pass Filter:

-3dB point adjustable from 12Hz -240Hz, 12dB/octave response.

Low-Pass Filter:

-3dB point adjustable from 40kHz -4kHz, 12dB/octave response.

Gain:

0dB to +20dB. Continuously variable.

Headroom Indicator:

7 LED bargraph display, 3dB resolution.

Connectors:

Latching XLR-3 with chassis-grounded shells. Parallel 1/4" TRS.

Input/Output Circuits:

Active servo-balanced differential. Can operate unbalanced with no change in gain.

Common Mode Rejection:

Greater than 85dB at or below 1kHz and greater than 65dB at 10kHz.

Input Impedance:

50 kilohms, balanced. 25 kilohms, unbalanced.

Output Impedance:

102 ohms, balanced. 51 ohms, unbalanced.

Power Requirements:

Factory set: 90 - 130 VAC 50/60 Hz (specify) 180 - 260 VAC, 50/60Hz 15W, 250mA 1.25" Slo-Bl0, captive AC cord.

Mute Relay:

Mutes audio on power-up and power-down.

Dimensions and Weight:

3.5" by 19" (rack mount 2RU) by 9.2" 8.9cm by 48.3cm by 23.4cm 7 lbs. - 3.2kg

Finish:

Black painted brushed aluminum. White nomenclature.

Options:

4828M: Metal Security Cover.
4828C: Clear Security Cover.



Please Note: White Instruments reserves the right to improve our products and to change features and specifications without notice.

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