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MODEL 9500 PARAMETRIC MASTERING EQUALIZER

FORM FACTOR

Two channel, 5 fully parametric bands each with precision switched gain, frequency and Q scaling;

- Frequency control per channel: 2 bands 13 Hz to 800 Hz, 1 band 130 Hz to 8 KHz, 2 bands 420 Hz to 26 KHz
- Gain adjustable to 0.5 dB resolution 0 to ± 6 dB, 1.0 dB resolution 0 to ± 12 dB
- Q variable from 0.4 to 4 for all bands switchable to shelving on high and low bands

INPUT

20 k balanced bridging
> 57 dB common mode rejection at 1 KHz
26.4 dBv maximum input before clipping

THROUGHPUT

Bandwidth:

0.1 dB down at $\ll 10$ Hz and 38 KHz
1 dB down at 150 KHz

Accuracy:

± 0.10 dB 13 Hz to 26 kHz (gain multiplier switch in X1 position)
 ± 0.15 dB 13 Hz to 26 kHz (gain multiplier switch in X2 position)
6% maximum frequency error

Harmonic Distortion:

0.001% typical 22 Hz to 22 kHz with EQ out
0.0015% typical 22 Hz to 22 kHz with EQ in
0.006% typical 22 Hz to 22 kHz with all bands switched in

Intermodulation Distortion:¹

0.00100% typical at 20 dBv with EQ out
0.00100% typical at 20 dBv with EQ in
0.00450% typical at 20 dBv with all bands switched in

Noise:

-100 dBv typical with EQ out
-96 dBv typical with EQ in
-85 dBv typical with all bands switched in

Crosstalk between left and right channels:

-95 dB typical 22 Hz to 22 kHz at 20 dBv input with EQ out
-90 dB typical 22 Hz to 22 kHz at 20 dBv input with EQ in
-85 dB typical 22 Hz to 22 kHz at 20 dBv input with all bands switched in

OUTPUT

26.4 dBV headroom to clipping, 5000k load, single-ended.
< ± 2.0 mv DC output offset, stabilized by precision DC servos throughout (no electrolytic coupling capacitors)

OTHER

Dual external power supplies (one per channel, included): ± 28 volts
Separate ground and chassis connections at rear for each channel
19" X 5 1/4" rack mount chassis, black anodized aluminum, silver legend, 8 1/2" deep;
weight: 11 lbs.

¹Includes Audio Precision System One Measurement residual of 0x001%