

The 9500 is the Mastering Version of the 8200. The Gain, Frequency, and Q controls are fully-detented for absolute precision and repeatability. With 1/2dB steps of Boost and Cut and 24 different frequency choices per band, the 9500 is a powerful and comprehensive workhorse for Mastering Engineers around the world. This dual-mono, 3U "King of All Equalizers" requires two 8355 power supplies.



SPECIFICATIONS

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 Ω 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 Ω 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.

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

For sales and product information:

BEE DISTRIBUTION
 beedistribution@skynet.be
 Rue de Belle Vue, 58 - 1332 Genval (Brussels) - BELGIUM
 Tel: +32 2 / 653 13 61 • Fax: +32 2 / 653 20 03