



## MODEL 8200 PARAMETRIC EQUALIZER

### SPECIFICATIONS

#### **FORM FACTOR - 2 CHANNELS, 5 BANDS: FULLY PARAMETRIC**

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  $\pm 6$  dB, 1.0 dB resolution 0 to  $\pm 12$  dB

Q variable form 0.4 to 4 for all bands switchable to shelving on high and low bands

#### **INPUT**

20 kOhm 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:

$\pm 0.10$  dB 13 Hz to 26 kHz (gain multiplier switch in X1 position)

$\pm 0.15$  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:<sup>1</sup>

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 $\Omega$  load, single-ended.

<  $\pm 2.0$  mv DC output offset, stabilized by precision DC servos throughout (no electrolytic coupling capacitors) 3 mv output offset, stabilized by D.C. servo correction

**OTHER**

Dual external power supplies (one per channel, included):  $\pm 28$  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.

<sup>1</sup> Includes Audio Precision System One Measurement residual of 0x001%