

GEORGE MASSENBURG LABS

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MODEL 8200 PARAMETRIC EQUALIZER

The GML 8200 Parametric Equalizer is of a fifth generation progressive design, the result of ten years of creation, listening analysis, the most versatile and musical sounding circuit topology & fine tuned control parameters to satisfy the needs of the most demanding professional. Certainly the most carefully designed and constructed equalizer we have produced, this new unit is hand built and calibrated in limited production quantities using selected components.

SPECIFICATIONS

INPUT

20 kOhm balanced bridging
32 dB common mode rejection at 20kHz
+27.4 dBv maximum before clipping (± 28 VDC supplies)

THROUGHPUT

± 0.1 dB, 10 Hz to 80 kHz response (controls set flat)
0.002% Harmonic distortion at any frequency 20 Hz - 20 kHz[1]
0.002% SMPTE Intermodulation distortion[2]
30 v/usec discrete low noise, high performance amplifiers
no tantalum or electrolytic interstage or output coupling capacitors
noise -97.5 dBv bypassed, -78 dB or better typical (control position dependent)
rolloff: 3 dB down at 260 kHz

FORM FACTOR - 2 CHANNELS, 5 BANDS: FULLY PARAMETRIC

1) 15 Hz - 800 Hz, Q of .4 - 4 or shelving, 15 dB boost/cut
2) 15 Hz - 800 Hz, Q of .4 - 4, 15 dB boost/cut
3) 120 Hz - 8 kHz, Q of .4 - 4, 15 dB boost/cut
4) 400 Hz - 26 kHz, Q of .4 - 4, 15 dB boost/cut
5) 400 Hz - 26 kHz, Q of .4 - 4 or shelving, 15 dB boost/cut

OUTPUT

+27.4 dBv clipping
3 mv output offset, stabilized by D.C. servo correction

OTHER

external power supply: +28 volts
separate ground and chassis connections at rear
19" x 3 1/2" rack case, black anodized aluminium, silver legend, 8 1/2" deep
weight: 6 lbs.

[1] Includes Sound Technology 1710A residual, 30kHz LP filter

[2] Measured at +20 dBv ST 1710A; analyzer residual 0.0018%