



## 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.

### SPECIFICATION

#### INPUT

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

#### THROUGHPUT

- $\pm 0.1$  dB, 10 Hz to 80 kHz response (controls set flat)
- 0.002% Harmonic distortion at any frequency 20 Hz - 20 kHz<sup>1</sup>
- 0.002% SMPTE Intermodulation distortion<sup>2</sup>
- 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) 15Hz-800Hz, Qof. 4-4 or shelving, 15dB boost/cut
- 2) 15Hz-800Hz, Qof. 4-4, 15dB boost/cut
- 3) 120Hz-8kHz, Qof. 4-4, 15dB boost/cut
- 4) 400Hz-26kHz, Qof. 4-4, 15dB boost/cut
- 5) 400Hz-26kHz, Qof. 4-4 or shelving, 15dB boost/cut

#### OUTPUT

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

#### OTHER

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

<sup>1</sup> Includes Sound Technology 1710A residual, 30kHz LP filter

<sup>2</sup> Measured at +20 dBv ST 1710A; analyzer residual 0.0018%