

The 2020 is the reference-quality combination of the legendary 8300 Mic Pre, a 4-band version of the 8200 Parametric EQ, and a complete 8900 Dynamic Range Controller.

Additional enhancements not found in the stand-alone units include: Mic, Line, and Direct Instrument input selection, front panel mounted 2-Pole High Pass Filter, Phase Reverse, and Phantom Power switches, as well as fast and accurate LED input metering.

Input Gain is adjustable from -10dB attenuation to 70dB of gain in precise 5dB steps. Each source is optimized at all gain settings for best noise performance. One knob optimizes low output ribbon mics to semi-pro keyboards to inserts in super hot mastering chains. Bypass controls are provided for EQ and dynamics independently, while up to eight Model 2020's may be linked for multi-channel work. A one-knob topology switch re-arranges the 2020 such that the 8200 EQ section can be placed either before or after the 8900 Dynamics section, or conveniently inserted into the Side Chain.



SPECIFICATIONS

FORM FACTOR

One channel, multi-input, gain, filter, parametric equalizer, and dynamic range controller

- Inputs: Mic, Line, M/I
- Gain control: -10dB to +70dB, 5dB steps
- Input meter, Phase switch, Phantom power switch
- Filter -- Second-order Butterworth active high-pass filter; 100Hz, flat, 40Hz
- Routing control – EQ/ DYN signal flow, DYN Sidechain access
- EQ section – 4 bands, fully parametric, continuously variable controls
- Dynamics section – GML Series III control architecture; proprietary discrete VCA
- 40-segment tricolor meter, displays true gain through Dynamics section

INPUT

Microphone: 1 k Ω balanced, >93dB CMRR, +36.6dBu max input before clipping
 Line: 20 k Ω balanced bridging, >92dB CMRR, +36.6dBu max input before clipping
 M/I: 1 M Ω unbalanced, +20dBu maximum input before clipping

THROUGHPUT

Bandwidth:
 -0.1dB / +0.002dB, <10Hz to >30kHz, worst-case
 -3dB, >150kHz and <<10Hz, typical

*GML reserves the right to make changes to these specifications as it deems necessary. Individual unit performance may vary due to environmental influences, manufacturing variations, and component tolerances. Please refer to full Specifications sheet (included in the Model 2020 Owner's Manual) for details.

<0.003% Harmonic distortion, 20Hz to 20kHz, typical
 <0.005% SMPTE Intermodulation distortion, typical
 30v/usec discrete low-noise precision operational amplifiers, GML 9202
 No electrolytic interstage or coupling capacitors
 Noise:
 -80dBu broadband, EQ and DYN engaged, typical
 -117dBu EIN, M/I input
 -123dBu EIN, Microphone or Line input
 -90dB crosstalk, 20Hz to 20kHz, worst case

OUTPUT

+26.6 dBu clipping
 < 3 mV output offset, stabilized by DC servo correction, direct coupled
 Normally wired pin 2 "hot"

OTHER

Requires GML Model 9015 external power supply; +/-28 VDC, +/-18 VDC
 Separate Ground and Chassis connections at rear
 19" W x 3.5" H x 8.5" D rack mount chassis, black anodized aluminum, silver legend
 Weight: 11 lbs., approximate; shipping weight may vary

For sales and product information:

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