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MODEL 2032 MICROPHONE PREAMPLIFIER / PARAMETRIC EQUALIZER

SPECIFICATIONS*

FORM FACTOR

One channel, multi-input, gain, filter, parametric equalizer with insert capability and internal power supply

- Inputs: Mic (balanced, XLR), MI (Musical Instrument; unbalanced, 1/4" TS)
- *Gain* control: +15dB to +7dB, 5dB steps
- *Fine* control: -5dB to +5dB, continuously variable
- *Phase* switch, Phantom power (*P48*) switch
- *Filter* -- Second-order Butterworth active high-pass filter; 100Hz, flat, 40Hz
- *Insert* control: split parametric equalizer from preamplifier
- EQ section: four bands, fully parametric, continuously variable controls
- *EQ IN* switch
- Overload (*OL*) indicator: peak indication, preamplifier and equalizer

INPUT

Microphone: 1 k Ω balanced, >80dB CMRR, +17dBu max input before clipping
Insert In: 20 k Ω balanced bridging, >40dB CMRR, +21dBu max input before clipping
MI: 1 M Ω unbalanced, +8.5dBu maximum input before clipping

THROUGHPUT

Bandwidth:

- 0.1dB / +0.002dB, <10Hz to >30kHz, worst-case
- 3dB, >300kHz and <<10Hz, typical

<0.003% Harmonic distortion, 20Hz to 20kHz, typical

<0.006% SMPTE Intermodulation distortion, typical

30v/usec discrete low-noise precision operational amplifiers, GML 9202

Noise:

- 80dBu broadband, EQ engaged, typical
- 112dBu EIN, MI input
- 120dBu EIN, Microphone input ($R_s = 150\Omega$, 30kHz BW), worst-case
- 80dB crosstalk, 20Hz to 20kHz, worst case

OUTPUT

+27.0 dBu clipping
< 3 mV output offset, stabilized by DC servo correction, direct coupled
Wired pin 2 "hot", 3-wire unbalanced

OTHER

Internal linear power supply, 110V/220V switch, 50/60Hz; +/-28 VDC, +/-18 VDC, +48VDC
Approx. power consumption: 28W; 500mA/250V slo-blo fuse installed (110V operation)
Separate Ground and Chassis connections at rear
19" W x 1.75" H x 10" D rack mount chassis, black anodized aluminum, silver legend
Weight: 11 lbs., approximate; shipping weight may vary

*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 2032 Owner's Manual) for details.