

QES Labs



Variable-Gm

Twin Channel Tube Variable- μ Compressor Limiter



Unit with analogue tube circuitry, totally handmade with selected components.

Sales Representative:

Warmth and Softness

A twin channel “Variable-Gm” device, where compression ratio starts low and increases gradually, being so subtle and natural, but “punchy” when driven hard.

Very low noise, full balanced all valve signal path giving a crisp and warm sound with greater presence, naturality and transparency.

The “vari- μ ” is a competent performer in its totally analog form, both for recording direct and processing tracks in the mix.

It enhances the vocals and individual instruments by being unobtrusive, gently warming sounds, impressive on overall mixes.

The frequency response is absolutely flat over the entire audio range and beyond. It is built like a tank, a life-lasting 3-unit rack chassis that’ll warm the heart of every sound engineer.



QES

www.qeslabs.com

Compressor

Hi-level Lines plug into the XLR input on the back panel, while the XLR output can connect directly to low impedance loads (≤ 600 ohms).

Input Attenuator **$-\infty/0$ dB**
Continuous rotary knob to fit any high level input.

Output **-10dB to 0dB**
Continuous rotary knob for attenuation.

Attack **5 to 100mS**
Continuous rotary knob for very fast response to transients, up to 10mS (in the clockwise position).

Release **11 steps**
Selectable between 5, 4, 3, 2.5, 2, 1.5, 1.2, 0.9, 0.6, 0.4, 0.2 sec.

Threshold **out to -8 Vu**
Continuous rotary knob.

Limiter

In the Variable- μ circuitry, the ratio is automatically selected from the circuit itself, with the effect of a more natural sounding response.

V.U. Meter **In-GR-Out**
Selectable to show amount of gain reduction, Input and Output levels.

Link **Dual Mono/Stereo**
It sets the unit to operate as two independent comps, or linked for stereo operation.

Power Switch
On / Off.

Hard-wired Bypass
Relay controlled, to allow A-B'ing of program material.

Side chain H.P.F. **120Hz**
1st order (6dB/oct.) filter to lift low frequencies, preventing the bass from controlling limiting action.

Spec Sheet

C.M.R.R. **<-60dB**
Rejection Ratio at 10 KHz.

Frequency response **20Hz – 20KHz**
-0.5 dB.

Noise **<90dB**
at maximum output level, 22Hz to 22KHz, 600-ohm terminated.

Maximum Output Level (M.O.L.) **+18.5dBm**
For 1% T.H.D. + Noise.

Inputs and Outputs
Floating transformer balanced design, all-valve signal path.

Tubes
5749 x2, 6201, 6P6S x2, 5726 (each channel).

Input impedance **10K ohms**
Output impedance **250 ohms**
Power supply **115/230 volts A.C. 50/60Hz**
Dimensions **19" x 5.24" x 16.14" (WxHxD)**
Net weight **45.42lbs (20.6Kg)**

