
The vintage experience.

A unique electro-optical attenuation system is the heart of this compressor, it is directly driven by the input signal, thus allowing an instantaneous action, and always prone to follow the musicality of the audio programme. An incredible transparent, fast and accurate compression, with no increased harmonic distortion even in the highest compression ratios. A hand-built unit using the most appropriate components to achieve *that* vintage touch.

The signal path from input through output is entirely balanced with a minimum amplifier topology. Uncompromising circuit design with meticulous selection and hand-matching of critical components assures consistently transparent audio performance at all dynamic excursions and frequency extensions.

The electro-optical attenuation system directly driven by the input signal allows a unique transparent and distortion free compression.

Mono Tube Optical Compressor Limiter



QES

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QUALITY ENGINEERING SOLUTIONS

OC-6

**Totally handmade with components
selected under the strictest tolerances and
tested by ears.**

Sales Representative:

The system

Mono tube compressor limiter with a unique electro optical attenuator directly driven by the audio input signal, which allows instantaneous action of the compression.

Gain Range **-∞/+32dB**
with fine tuning Volume knob.

Peak Reduction **+26dB**
Max

Meter **In – GR - Out**
Selects the function of the meter. Functions are: Input level (0VU=+8dBm), Gain Reduction (50% on scale is 6dB of reduction), Output level (+8dB).

Slope **Soft/Hard**
Determines the slope of the compression. Soft is used for ratios of about 2:1/3:1, Hard is for the Limiting action, with a ratio of about 10/20:1



Matched components

Precise carbon-film resistors and polypropylene capacitors have been used to retain a *vintage* sound, painstaking care has been taken to ensure the shortest signal path throughout the circuit, for ultimate sonic experience.

Bypass

A hard-wired bypass controls a silver-contact relay.

Threshold

Proportional to Peak Reduction knob setting.

Attack time **10μS**

Release time

0.06 sec. for 50% release, and 0.5 to 5 seconds for total release, depending upon amount of previous reduction.

Stereo link

On the rear panel a jack connector is present to link two mono units, allowing correct stereo operation.



Spec Sheet

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

Frequency response **18Hz – 30KHz**
± 0.5 dB (-3dB point falls at 66KHz).

Signal to Noise Ratio **>-80dBu**
6dB gain, 22Hz to 22KHz, 600-ohm terminated.

Maximum Output Level (M.O.L.) **+22dBm**
For 1% T.H.D. + Noise.

THD

Less than 0.35%

Valves

5751, 12AX7LPS, 12BH7A, 6AQ5A

Input (xlr) impedance **4K ohms**

Output impedance **600 ohms**

Power supply **115/230 volts A.C. 50/60Hz**
(specify when ordering)

