

QES Labs



PREQ-1

*All Tube Preamplifier with
Pultec-style EQ.*



**Pre & EQ with analogue tube circuitry,
totally handmade with selected
components.**



QES

www.qeslabs.com

Sales Representative:

Warmth and Softness

The Perfect Couple. A warm Class A Preamplifier with a vintage Pultec-style LC passive EQ which deliver a punch to your tracks, in a delicate, musical and never intrusive way, giving a clean transparent sound with valve warmth and very natural sounding EQ when needed.

Getting acoustic sounds onto tape/hard disk is arguably the most important part of the recording process, and choosing the right microphone and preamp is crucial.

So if you have to choose one recording channel to work with all the time, this should be it.

The unit is completely valve-based except for the power supply, input and output have fully floating transformers, and all DC voltages are stabilized.



Preamplifier

Microphones plug into the XLR input on the back panel, while a D.I. jack socket resides on the front panel. A 6-step rotary knob controls the pre-amp gain, so recall of exact settings is entirely possible.

Gain Range **+30/+55dB**
In 5 dB steps, with fine tuning Volume knob.

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

High Pass **-15dB**
A first order (6dB/oct) filter, switchable between Off, 40Hz, and 80Hz.

Phase
Selectable between 0° and 180°.

Input **3 steps**
The Input selector switches between Line Pad, Microphone-Instrument, and 48V Phantom.

Meter options **3 steps**
The Meter function selector switches between *Direct Out*, *Main Out*, and meter off.

Equalizer

2-band EQ with Low Pass shelving Filter, with fixed switchable frequency options.

Low **+/-15dB**
Six frequency options: 16, 30, 45, 80, 100, 160 Hz.

Low Boost, Low Cut **+/- 15dB**
Two independent knobs with 15dB of continuously variable gain, mixable together, *shelving* action.

High
With six selectable frequencies of 3, 5, 8, 10, 12, 16 KHz.

High Boost **15dB**
Continuously variable gain from 0 to 15dB, *Peaking* action. Bandwidth continuously variable from broad to sharp.

Low Pass
Six selectable frequencies of 6, 10, 14, 16, 20, 40 KHz.

High Cut **-15dB**
Gain range from 0 to -15dB continuously variable. *Shelving* action.

Spec Sheet

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

Frequency response **20Hz – 45KHz**
+0/ -1dB.

T.H.D. **0.28%**
Gain set at 45dB, 1KHz, Output +2,2dBu, 10K-ohm load.

Signal to Noise Ratio, ref. +20dBu **80dB**
30dB gain, 22Hz to 22KHz, source 200 ohms, load 10K ohms.

Maximum Output Level (M.O.L.) **+18dBm**
For 1% T.H.D. + Noise.

Tubes **4 pcs.**
1 x EF86, 1 x 12AU7A, 2 x ECC99.

Input 1 mic (xlr) impedance **1K ohms**

Input 2 line (xlr) impedance **600 ohms**

Input 3 instrument (jack) impedance **5 M ohms**

Output 1 'pre direct' (xlr) impedance **600 ohms**

Output 2 'Main' (xlr) impedance **600 ohms**

Power supply **115/230 volts A.C. 50/60Hz**

Consumption **81 watts**

Net weight **8.6 Kg (18.92 lbs)**

