

TUBE-TECH PE 1C
program equalizer

DESCRIPTION

The **TUBE-TECH program equalizer PE 1C** contains a passive filter and a tube (valve) based amplifier to restore the loss from the filter.

The filter has a low frequency boost/attenuate section with 4 selective frequencies, a high frequency boost section with a variable bandwidth and 10 selective frequencies and a high frequency attenuation section with 3 selective frequencies.

The filter is placed directly after the input transformer therefore eliminating noise from the amplifier when boosting either low- or high frequencies.

The amplifier consists of two tubes (valves) in push-pull configuration (one ECC 83 as the pre-amp and phase splitter, and one ECC 82 as the output stage), and an output transformer.

Both input and output are balanced (600Ω) and fully floating. The in/out key switches the filter in and out without clicks and changes in level, while the amplifier remain in the signal path.

The power supply for the pre-amp and phase splitter are stabilized and the heaters of both tubes (valves) are fed with a stabilized DC voltage.

The whole amplifier (including input and output transformer) and the power supplies are placed on one PC-board.

BOOST:

The **BOOST** control is continuously variable and is of the bell type. The gain is depending of the setting of the bandwidth control.

When the bandwidth is in the sharp position the gain is from 0 dB to +18 dB.

When the bandwidth is in the broad position The gain is from 0 dB to +10 dB.

HIGH
FREQUENCY:

The **HIGH FREQUENCY** switch determines at which frequency the maximum boosting is obtained. There are a choice of 10 frequencies:

1, 1.5, 2, 3, 4, 5, 8, 10, 12 and 16kHz.

ATTENUATE SECTION:

ATTEN:

The **ATTENUate** control is continuously variable from 0 dB to -18 dB. It is of the shelving type.

ATTEN SEL:

The **ATTEN SELECT** switch determines at which frequency the maximum attenuation is obtained. There are a choice of 3 frequencies:
5, 10 and 20 kHz.

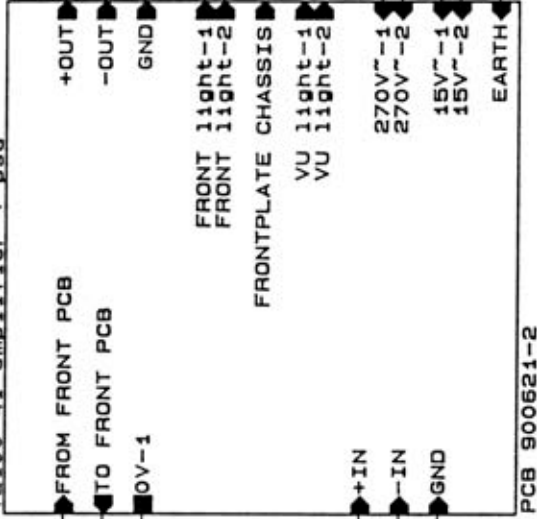
IN/OUT:

This leverswitch switches the filter in and out of the signal path. The amplifier remain in the circuit.

TE100-42 filter



TE100-41 amplifier + psu



XLR-2 +IN
XLR-3 -IN
XLR-1 GND

XLR-2 +OUT
XLR-3 -OUT
XLR-1 GND

B1

12V/0.1A

ON/OFF

SW1

F1

T100mA (230V)
T200mA (115V)

TR1

SW2

115V

230V

J1

TR204/1

YEL/GRN

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DK2720 VANLOSE
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Title

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