

PSIDEX AUDIO LABORATORY PEQ-1 EQUALIZER

PULTEC TYPE RCL NETWORK WITH VACUUM TUBE GAIN

PRODUCT DATA SHEET



BASIC SPECIFICATIONS

BOOST FREQUENCIES

5 LF

20, 30, 60, 100, 150 Hz, 14 dB in 1 dB steps., shelf

12 HF

1, 2, 3, 4, 5, 6, 8, 10, 12, 14, 16, 18 kHz,
20 Db +/- 1 dB peaking, continuously variable with
variable peak width.

CUT FREQUENCIES (ATTENUATE)

5 LF

20, 30, 60, 100, 150 Hz, 18 dB in 1 dB steps., shelf

4 HF

5, 10, 15, 20 kHz, 16 dB in 1 dB steps., shelf

GAIN

Unity, with +/- 5 dB adjustment.

FREQUENCY RESPONSE

10 Hz to 48 kHz +/- 0.5 dB in Balanced Mode.

20 Hz to 50 kHz +/-0.5 dB in Unbalanced Mode.

NOISE

>90 dB below +10 dB, A weighted.

HARMONIC DISTORTION

Less than 0.015% at +10 dB output into 600 ohms.

Less than 0.008% at 0 dB output into 600 ohms.

MAXIMUM OUTPUT

+26 dB into 600 ohms

EFFECTIVE SOURCE IMPEDANCE

47 ohms for 600 ohm output

960 ohms for unbalanced hi-z output.

- INPUT-OUTPUT SWITCHABLE BAL- HI Z
- OUTPUT PHASE REVERSE SWITCH
- OUTPUT TERMINATION SWITCH
- STEPPED LF, HF CONTROLS
- POLYPROPYLENE, POLYSTYRENE CAPS

INPUT IMPEDANCE

Balanced input 600 ohms terminated.

Unbalanced hi-z input 100k resistive.

INPUT-OUTPUT CONNECTORS

Balanced, 3 pin XLR.

Hi Z 0.250 phone jack.

TUBE COMPLEMENT

1 each 6414, 12AX7A

SIZE

Front Panel, 19 inches wide (48.26), 1.75 inches
high (4.445). Equal to 1U rack standard.

Chassis, 17 inches wide (43.18), 11.60 inches behind
panel (29.46). () Dimensions in cm.

POWER

120/240 V AC 50/60 Hz, 22.6 V.A

DESCRIPTION

The PSIDEX PEQ-1 is a modern incarnation of the well known Pultec designs popular in the 1950's and 60's. These used a passive RCL equalizer network followed by a make-up gain stage. The result was clean vibrant sound . The PEQ-1 uses the same passive network design to achieve amazing clarity and punch. Step switches now replace the pots for HF cut and LF cut and boost. The HF boost pots use conductive plastic types for quiet operation. Additional frequency positions along with a superb line amp make the PEQ-1 a must- have . Hearing Is believing!

- MIL SPEC WIRE (TEFLON) AND WORKMANSHIP
- ELMA, GRAYHILL SWITCHES
- FULLY REGULATED HV AND LV POWER SUPPLY
- NO TUBE STICK OUT, TUBES FULLY ENCLOSED
- TUBES EASILY CHANGED
- GREAT PERFORMANCE AT A REASONABLE PRICE



The PEQ-1 is sold with a two year warranty against all defects. Replacement or repair at the option of PSIDEX Design and Product specifications may change without notice to maintain quality and performance.

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