

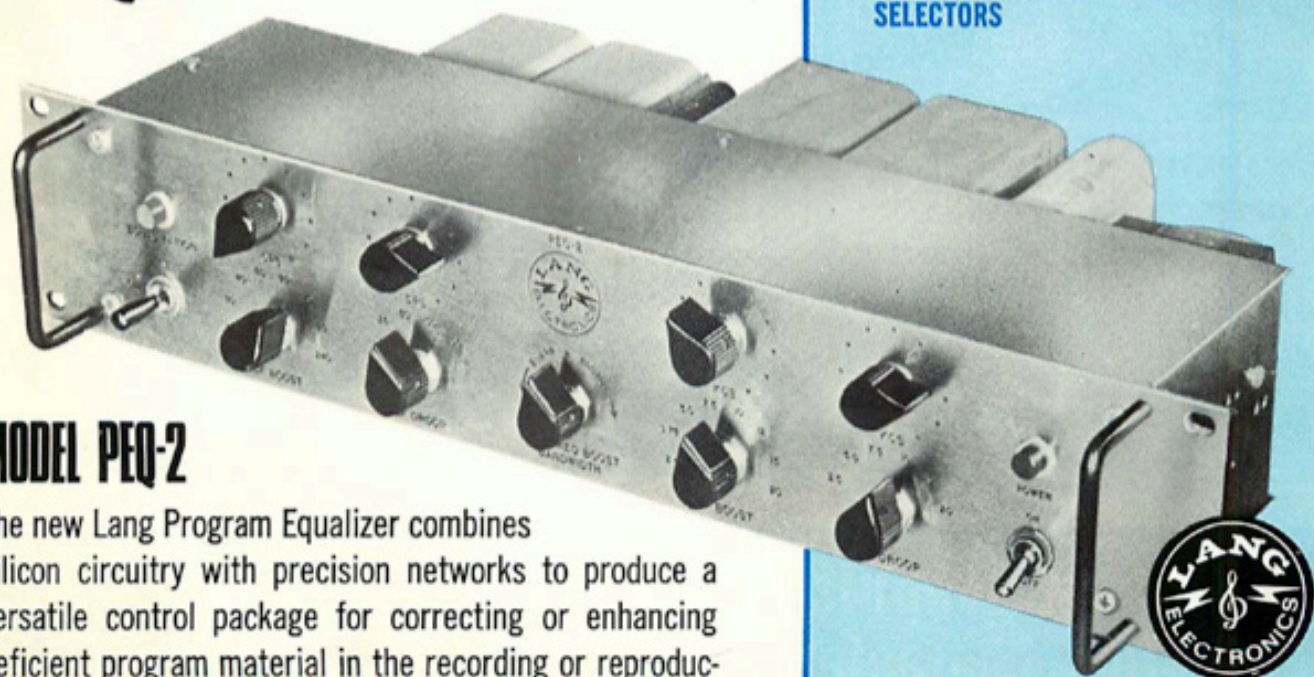
# NEW! LANG SOLID STATE PROGRAM EQUALIZER

## FEATURES:

- NON-DRIFT STABLE EQUALIZER COMPONENTS
- HIGH Q TOROIDAL EQUALIZER COILS
- BRIDGE SELECTED CAPACITORS
- LOW HUM AND NOISE
- LOW POWER CONSUMPTION
- HERMETICALLY SEALED EQUALIZER COMPONENTS
- STAINLESS STEEL ACID ETCHED CONTROL PANEL
- STANDARD 19 INCH RACK PANEL MOUNTING
- EQUALIZATION AND POWER ON INDICATORS
- TELEPHONE TYPE EQUALIZATION IN-OUT KEY
- BROADCAST QUALITY POTTED TRANSFORMERS
- SINGLE SIX TERMINAL AUDIO CONNECTING STRIP
- HIGH OUTPUT, LOW DISTORTION CAPABILITY
- OVERRATED COMPONENTS
- CONTINUOUS DUTY OPERATION
- STABLE AMPLIFIER GAIN
- ZERO INSERTION LOSS
- EQUALIZATION CURVE SHAPING
- SILICON PLANAR TRANSISTOR AMPLIFIER
- SOLID STATE REGULATED POWER SUPPLY
- PLUG-IN AMPLIFIER AND POWER SUPPLY BOARDS
- BALANCED, UNBALANCED OR UNGROUND OPERATION
- MULTI-POSITION EQUALIZATION FREQUENCY SELECTORS

### MODEL PEQ-2

The new Lang Program Equalizer combines silicon circuitry with precision networks to produce a versatile control package for correcting or enhancing deficient program material in the recording or reproduction of sound.



# SPECIFICATION: MODEL PEQ-2

## EQUALIZATION

HIGH FREQUENCY PEAK BOOST 0 to plus 18db at 2500, 3750, 5000, 7500, 10000, 12000, 15000 or 20000 cycles per second.  
 HIGH FREQUENCY SHELF DROOP 0 to minus 16db at 2500, 5000, 7500, 10000, 15000 or 20000 cycles per second.  
 LOW FREQUENCY SHELF BOOST 0 to plus 12db, 20, 30, 40, 60, 80, 120, 160 or 240 cycles per second.  
 LOW FREQUENCY SHELF DROOP 0 to minus 18db at 25, 50, 100 or 200 cycles per second.

## INPUT IMPEDANCE

600 ohms, Terminating, Transformer Input, BALANCED OR UNBALANCED.

## OUTPUT LOAD IMPEDANCE

600 ohms, Transformer Output, BALANCED OR UNBALANCED.

## FREQUENCY RESPONSE (in flat position)

Plus or minus 1/2 db 20 to 20000 CPS.

## OPERATING LEVEL

Minus 25 dbm to plus 14 dbm.

## MAXIMUM OUTPUT LEVEL

Plus 28 dbm into 600 ohms.

## DISTORTION

Less than 1% THD from 20 CPS to 20 KC at plus 24 dbm.

## NEGATIVE FEEDBACK

40db

## INSERTION LOSS

ZERO

## NOISE AND HUM (unweighted)

Minus 76 dbm below 0 dbm

## SEMI-CONDUCTORS

2N 3054, 3-2N 3053, 40319, 40233, 2-IN2859, IN974B.

## INDICATORS

POWER ON Lamp (RED)  
 EQUALIZATION ON Lamp (AMBER)

## POWER

117 VOLTS 50-60 CPS 10 Watts

## MOUNTING

Standard EIA Rack Mounting

## PANEL SIZE

3½" x 19"

## PANEL FINISH

Stainless Steel, Acid Etched  
 Black Lettering

## OVERALL DIMENSIONS

3½" x 19" x 9"

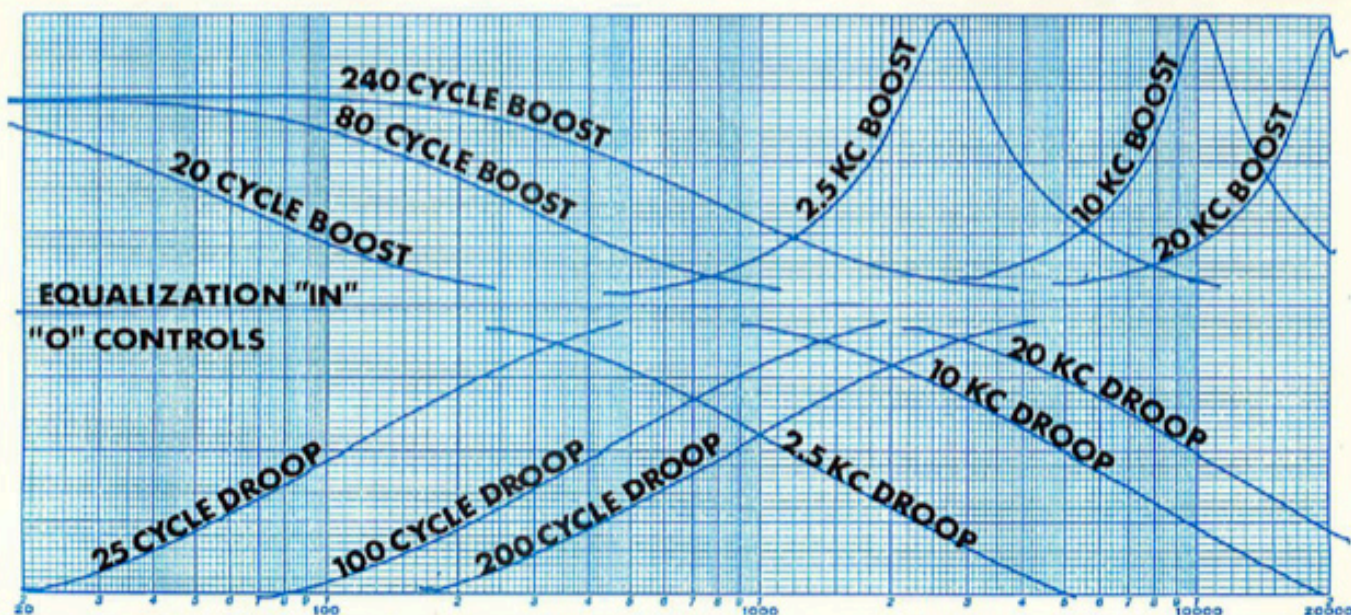
## NET WEIGHT

14 lbs.

# LANG ELECTRONICS INC.

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Above chart graphically illustrates a few of the equalization characteristics of a production model.