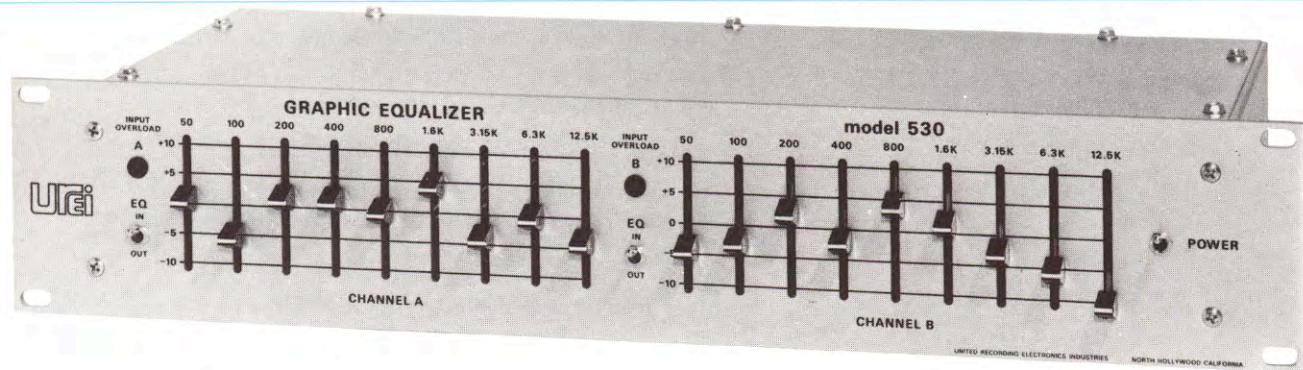


DUAL GRAPHIC EQUALIZER

MODEL
530
530 SC



FEATURES:

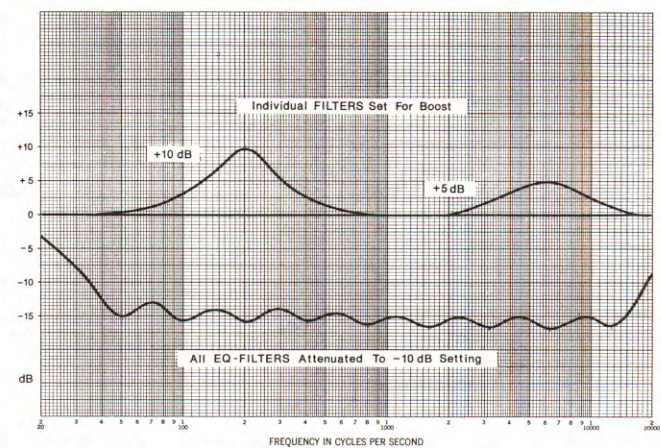
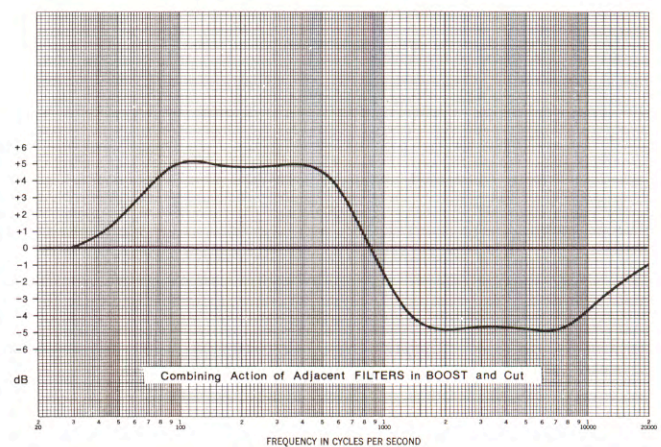
- Two Channels in one compact package.
- Nine equalizers per channel.
- Professional quality throughout.
- Balanced or unbalanced inputs and outputs.
- 115 or 230 VAC operation, 50/60 Hz.

The 530 Dual Graphic Equalizer is a studio quality product which has wide application in recording, sound reinforcement, radio and TV production, and high fidelity music systems.

Two completely independent Graphic Equalizers with a common power supply are attractively housed in the 530's 3 1/2" x 19" chassis. Each channel begins with a differential input stage, includes nine variable active equalizers centered at each octave from 50 Hz to 12.5 kHz, and ends in an output amplifier capable of delivering +20 dBm into a 600 ohm load. The inputs may be fed from balanced or unbalanced sources. The output amplifiers are transformer isolated, and will accommodate balanced or unbalanced loads. Signal-to-noise ratio at maximum output is an outstanding 110 dB, harmonic distortion below 0.5%.

State-of-the-art design techniques and components assure uncompromised performance at a reasonable price. UREI quality, of course.

TYPICAL CURVES:



UNITED RECORDING ELECTRONICS INDUSTRIES

8460 SAN FERNANDO RD., SUN VALLEY, CALIFORNIA 91352

UREI SNVY TELEX 65-1389

(213) 767-1000

UREI company

MODEL
530
530 SC

TECHNICAL SPECIFICATIONS

ELECTRICAL (EACH CHANNEL):

GAIN	:	Unity ± 1 dB.
FREQUENCY RESPONSE	:	20 Hz to 20 kHz, ± 1 dB, with EQ out.
OPERATING LEVEL (NOMINAL)	:	1.23 V (+4 dBm) for best signal to noise ratio with adequate headroom.
DISTORTION	:	<0.5% THD at +20 dBm 30 Hz to 15 kHz.
INPUT IMPEDANCE	:	40 kohm, used as a balanced differential input. 20 kohm, used as an unbalanced single-ended input.
RATED LOAD	:	600 ohms resistive or higher.
RATED OUTPUT	:	+20 dBm into 600 ohms (7.75 V rms.)
OUTPUT CIRCUIT	:	Transformer isolated floating.
MAXIMUM INPUT LEVEL	:	+20 dBm (LED overload indicators).
EQUIVALENT INPUT NOISE	:	Below -90 dBm with EQ switched in. (15.7 kHz noise bandwidth, input and output terminated with 600 ohms).
EQUALIZATION FREQUENCIES	:	50, 100, 200, 400, 800, 1600, 3150, 6300, 12,500 Hz.
FILTER BANDWIDTH	:	1 octave at 8 dB Boost or Cut.
BOOST/CUT RANGE	:	± 10 dB at center frequencies.
FILTER TYPE	:	Synthesized LC.
CHANNEL SEPARATION	:	60 dB worst case at high frequencies. Typically better than 80 dB.
ENVIRONMENTAL REQUIREMENTS	:	Operation from 0°C to +50°C. Storage from -20°C to +60°C.
POWER REQUIREMENTS (SWITCH SELECTABLE)	:	100 - 125 VAC 50/60 Hz less than 10 W or 220 - 250 VAC 50/60 Hz less than 10 W.
FUSES	:	1/4 A at 115 VAC 1/8 A at 230 VAC.

CONTROLS:

EQUALIZATION	:	9 vertical controls each channel. (Knobs included.)
EQ IN/OUT	:	Front panel toggle switch for each channel.
POWER	:	Toggle switch.
MAINS VOLTAGE	:	Rear panel slide switch.
TERMINATIONS	:	Rear panel barrier strips for inputs and outputs, 5' (1.5 m) 3-wire power cable.

PHYSICAL:

DIMENSIONS	:	19" X 3 1/2" X 8" (483 X 89 X 203 mm).
WEIGHT	:	9 pounds, 4.08 kg.
SHIPPING WEIGHT	:	13 pounds, 5.90 kg.
FINISH	:	Front panel horizontally brushed, clear anodized aluminum. Chassis cadmium plated steel.
ACCESSORY	:	Model 530 SC Security Cover. Smoke grey transparent plastic; covers all operating controls.