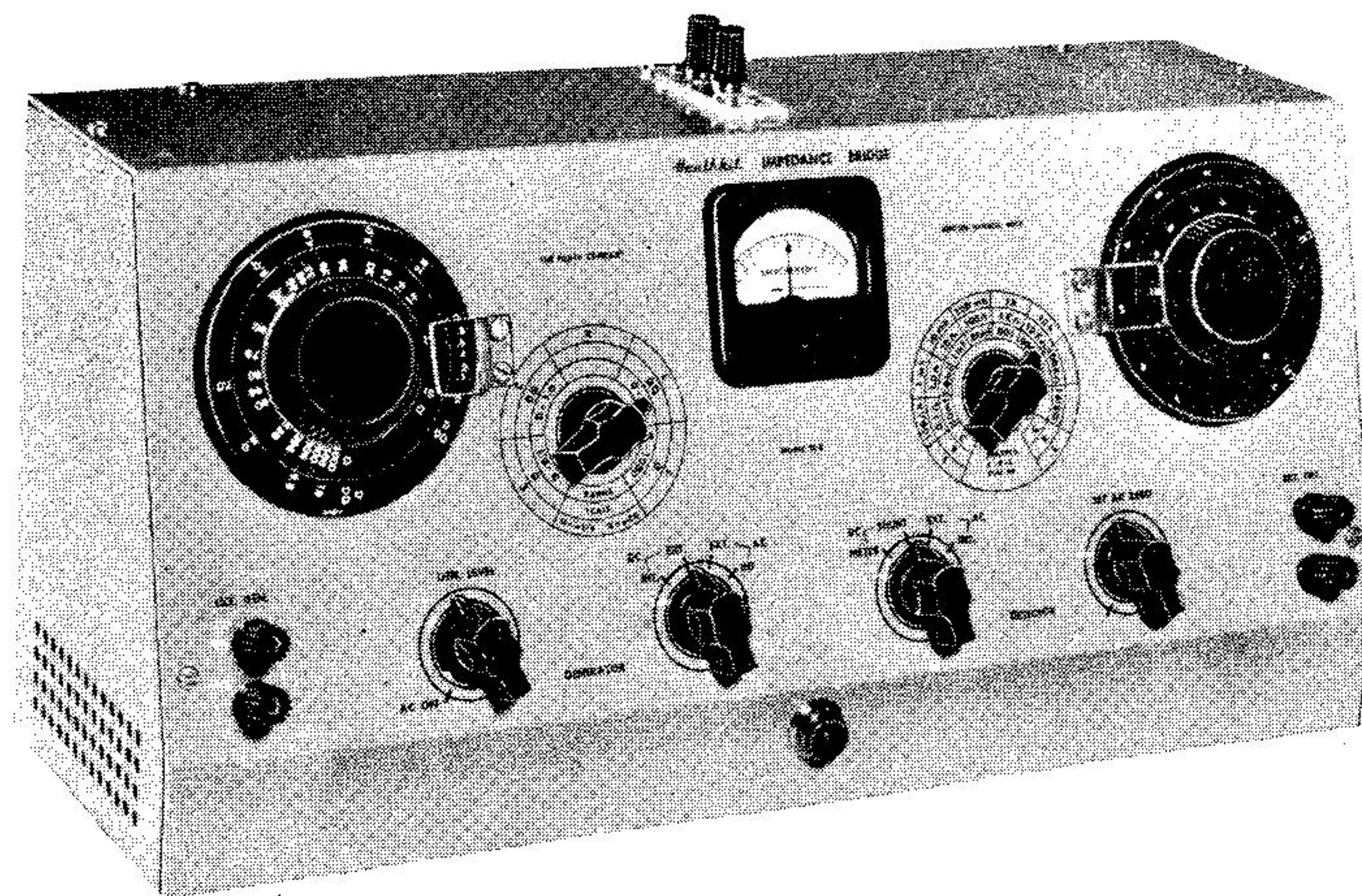


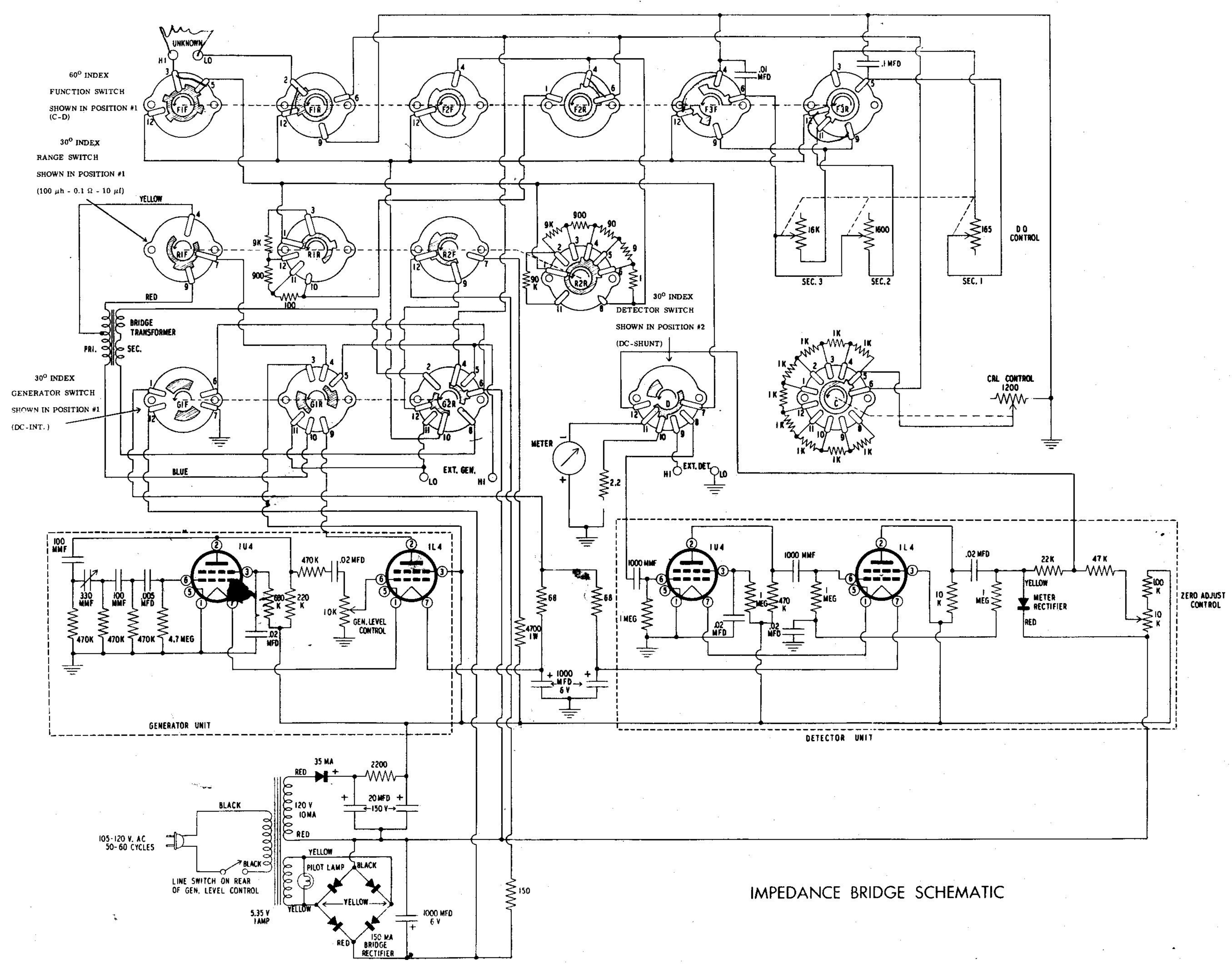
HEATHKIT IMPEDANCE BRIDGE

MODEL IB-2



SPECIFICATIONS

Circuit.....	4-arm impedance bridge
DC Measurements.....	Built-in power supply operating directly from 110 V AC. Panel binding posts provide for use of external supply.
Meter.....	100-0-100 microampere meter
AC Measurements.....	Built-in 1000 cycle vacuum tube oscillator. Terminals on panel provide for connecting an external generator for measurement at other frequencies.
Detector.....	Vacuum tube detector and rectifier make use of built-in meter. Panel binding posts provide for connection to external detector.
Resistance.....	0.1 Ω to 10 megohm
Capacitance.....	10 $\mu\mu\text{f}$ to 100 μfd
Inductance.....	10 μh to 100 h
Dissipation Factor (D).....	0.002 to 1
Storage Factor (Q).....	0.1 to 1000
Accuracy.....	1/2 or 1% decade resistors used. 1/2 of 1% silver mica condensers used. Accuracy is limited more by interpretation of scales and workmanship of assembly. The following is normal: Resistance $\pm 3\%$ Capacitance $\pm 3\%$ Inductance $\pm 10\%$ Dissipation Factor ($D=wCR$) $\pm 20\%$ Storage Factor ($Q=wL/R$) $\pm 20\%$ Accuracy will fall off at extreme outer limits.
Power Requirements.....	105-125 volts, 50/60 cycles, 10 watts
Tube Complement.....	2 - 1U4 and 2 - 1L4
Power Supply.....	Power Transformer and Selenium Rectifier
Cabinet Size.....	8" high x 17" wide x 6" deep
Shipping Weight.....	15 lbs.



60° INDEX
FUNCTION SWITCH
SHOWN IN POSITION #1
(C-D)

30° INDEX
RANGE SWITCH
SHOWN IN POSITION #1
(100 μh - 0.1 Ω - 10 μf)

30° INDEX
GENERATOR SWITCH
SHOWN IN POSITION #1
(DC-INT.)

30° INDEX
DETECTOR SWITCH
SHOWN IN POSITION #2
(DC-SHUNT)

GENERATOR UNIT

DETECTOR UNIT

IMPEDANCE BRIDGE SCHEMATIC