

HEATHKIT SPECIFICATIONS AND SCHEMATICS is intended to provide reference information and to answer your questions pertinent to Heathkit design.

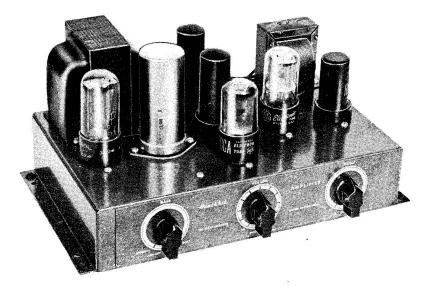
The Heath Company has always freely offered schematics and technical information in the sincere belief that the material is interesting and will prove helpful to many. Heathkit pioneering in the electronic instrument kit field has resulted in the availability of a wide selection of useful well-designed, low cost electronic kit form equipment. Heathkits fulfill a major need in electronics and have been directly responsible for further stimulating interest particularly among electronics enthusiasts whose activity might be discouraged because of high equipment cost.

The combination of careful engineering, complete and derailed instruction manuals, use of highest quality components and exacting machine work in forming and punching of panels and chassis all combine to produce accurate, dependable test equipment which is a pleasure to construct and truly professional in appearance.

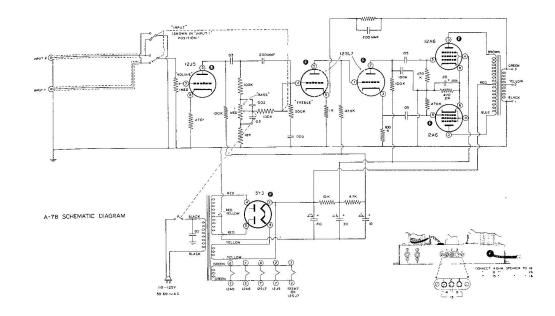
The advantages of constructing kit form test equipment are numerous. The builder saves the major portion of the cost of factory built equipment and becomes better acquainted with the circuitry and operation of the unit thereby gaining that important knowledge that will help him use the instrument far more intelligently over a wider range of applications. Should maintenance or repair ever be needed, the knowledge gained in construction will permit the kit builder to easily put the unit back into proper operating condition without delay.

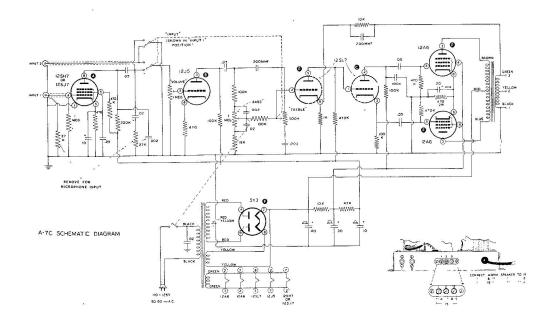
It always has been and it always shall be our sincere desire to produce the best possible kit form test equipment at the lowest possible cost. Furthermore, we are anxious to help the Heathkit user in any way and at all times for we want every Heathkit owner to receive the many years of excellent operation for which his kit was engineered.

HEATHKIT MODEL A-7B and A-7C AUDIO AMPLIFIERS



Frequency Response Power Output Tube Complement.	6 watts
Output Impedance Input Voltage Physical Specifications Shipping Weight	110-125 volts AC 50/60 cycles 11 1/2'' wide, $5 1/4''$ high, $6 1/2''$ deep

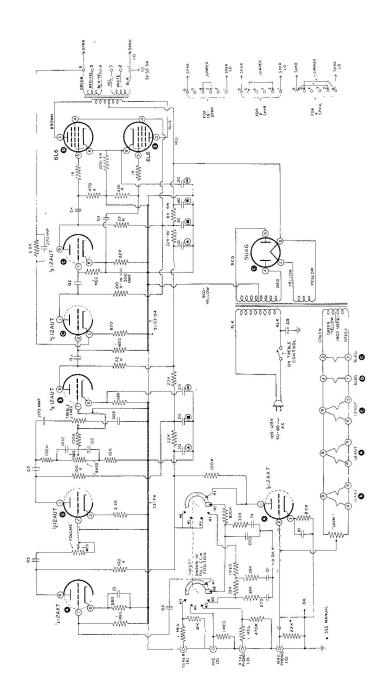








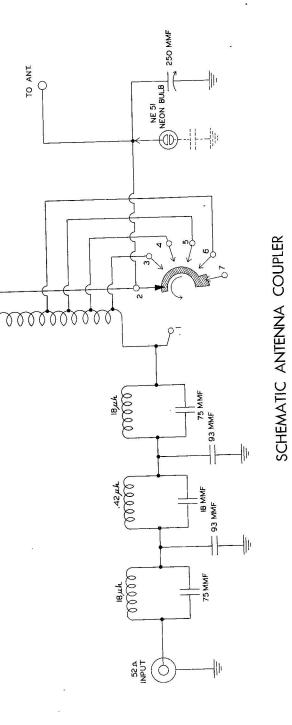
Frequency Response Power Output Total Harmonic Distortion Input Requirements (for 15 watts output)	20 watts
Magnetic Phono Input Microphone Input Crystal Phono Input Tuner Input	0.08 volts
Tuner Input. Tone Controls Bass (at 30 cps) Treble (at 15 kc) Power Requirements. Tube Complement.	15 db boost, 15 db cut 15 db boost, 20 db cut 100 watts, 105-125 volts 50/60 cycle AC 12AX7 magnetic phono preamplifier and input amplifier 12AU7 voltage amplifier and tone control amplifier 12AU7 voltage amplifier and phase splitter Two 6L6G push-pull pentode power amplifiers
Dimensions Shipping Weight	



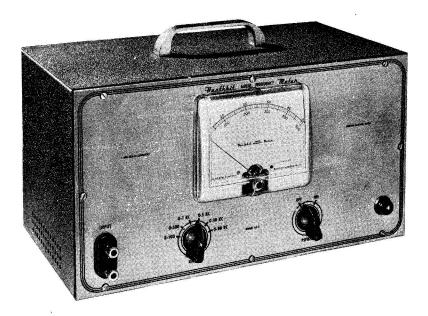
HEATHKIT ANTENNA COUPLER



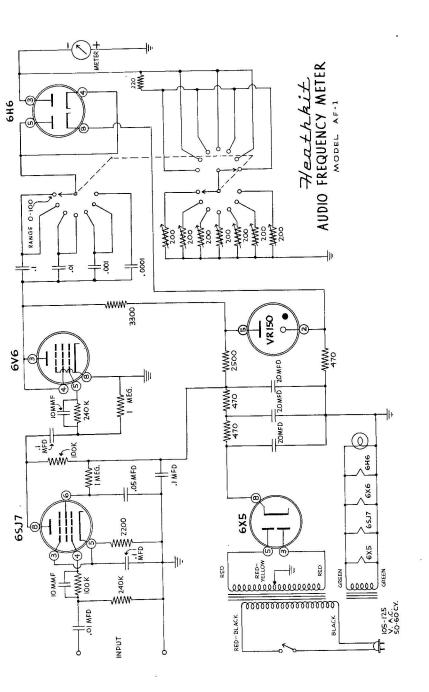
Maximum RF Power Input. Input Connection. Output Connection. Low Pass Filter Cut-off Frequency. Dimensions.	Single-ended
Dimensions Net Weight	2 lbs.
Shipping Weight	.3 lbs.







7	TECHNICAL SPECIFICATIONS	
Power Requirements:	105-125 V AC 50-60 cycles, 35 Watts	
Tube Complement:	1 - 6V6 1 - 6H6 1 - 6X5	
	1 - 6SJ7 1 - VR150	
Ranges:	0-100, 0-300, 0-1KC, 0-3KC, 0-10KC, 0-30KC, 0-100KC.	
Input:	Impedance 250,000 Ohms at 1,000 CPS Voltage 2-300 Volts RMS	
Physical Specifications:	$12\frac{1}{2}$ " long x 7" high x $7\frac{1}{2}$ " deep, Shipping Wt. 12 lbs.	



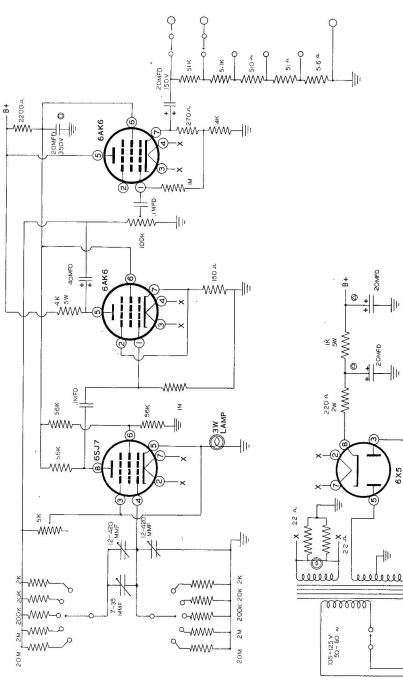
HEATHKIT AUDIO GENERATOR

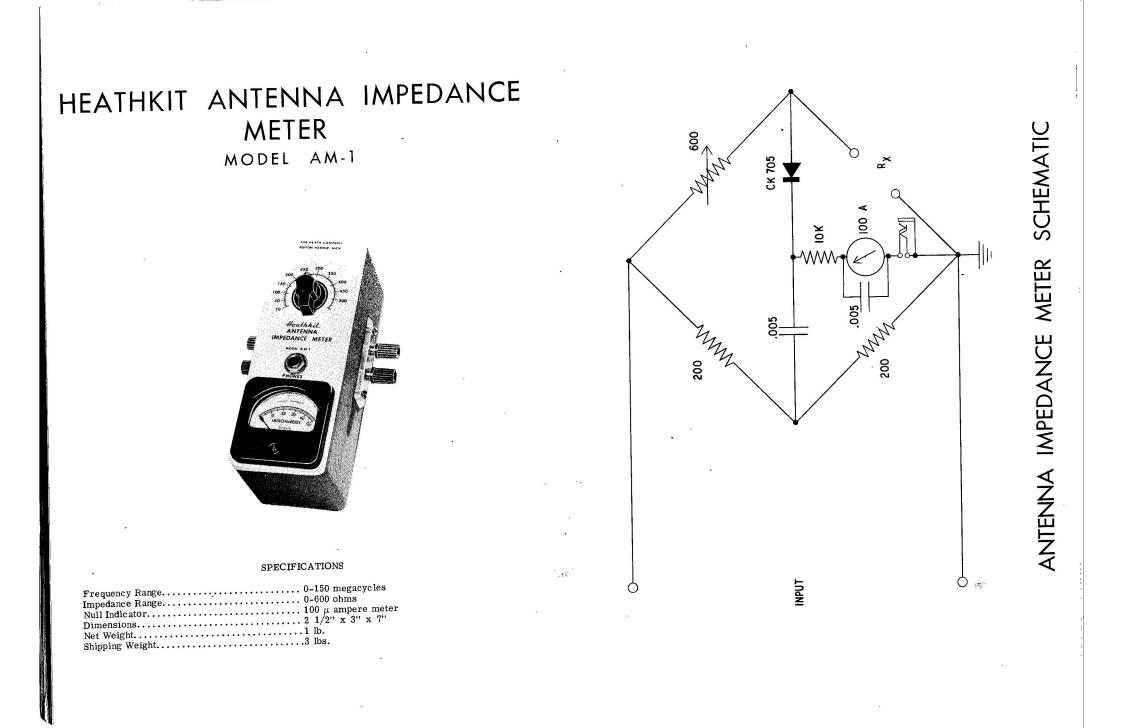


SPECIFICATIONS

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Frequency range Output voltage	
	to 400 kc; down 3 db at 600 kc; down 8 db at
	1 mc.
Generator impedance	600 ohms
Distortion	less than 0.4%, 100 cps through audible range
Power requirements :	30 watts, 105-125 volts 50-60 cycles AC
Dimensions	$7\frac{1}{2}$ " high, $13\frac{1}{4}$ " wide, $7\frac{1}{2}$ " deep
Shipping weight	15 lbs.



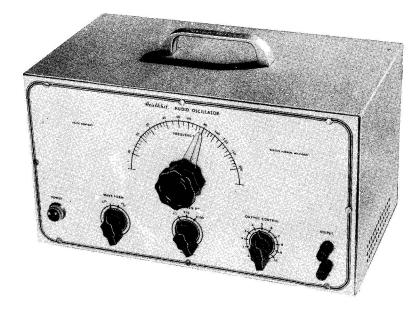


HEATHKIT MODEL AO-1 AUDIO OSCILLATOR

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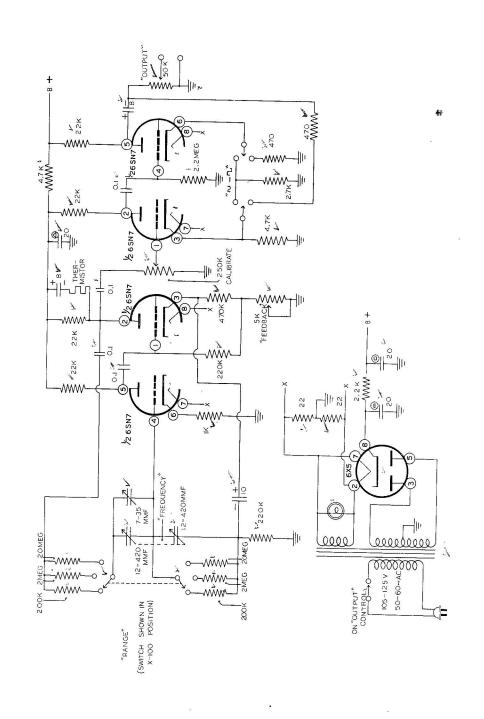
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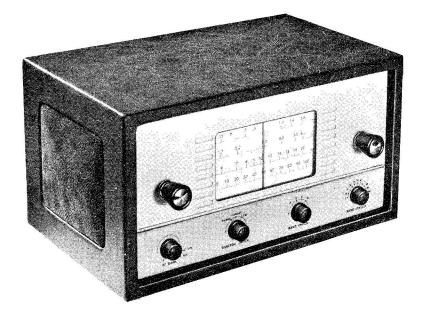


SPECIFICATIONS

Frequency Range Output Voltage (Sine Wave) " (Square Wave) Generator Impedance Distortion Power Requirements Dimensions Shipping Weight 20 to 20,000 cps, in three ranges 10 volts, no load, plus or minus 1 db. 10 volts, rise time 2 microseconds, (10-90%) 600 ohms Less than 0.6%, 100 cps through audible range 30 watts, 105-125 volts, 50-60 cycles AC $7\frac{1}{2}$ " high, $13\frac{1}{4}$ " wide, $7\frac{1}{2}$ " deep. 14 lbs.



HEATHKIT MODEL AR-2 COMMUNICATIONS RECEIVER

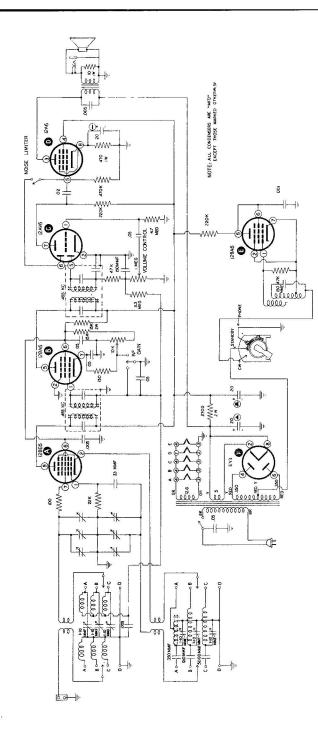


SPECIFICATIONS

Frequency Range	550 ke to 35 me on four bands
Tube Complement	1 - 12BE6 Oscillator and Mixer
Tune comprementation and the second	1 – 12BA6 IF Amplifier
	1 - 12AV6 Second Detector and First Audio
	Amplifier
	1 - 12A6 Beam Power Output
	1 - 12BA6 BFO Tube
	1 - 5Y3 Full Wave Rectifier
Power Requirements	105-125 volts AC 50/60 cycles 45 watts
Dimensions	$\dots 11 \ 1/2''$ wide x 5 3/4'' high x 6 3/4'' deep
Shipping Weight	12 lbs.

FEATURES

Band Spread Tuning Phone - Standby - CW Headphone Jack Noise Limiter RF Gain Control Ham Band Identifications

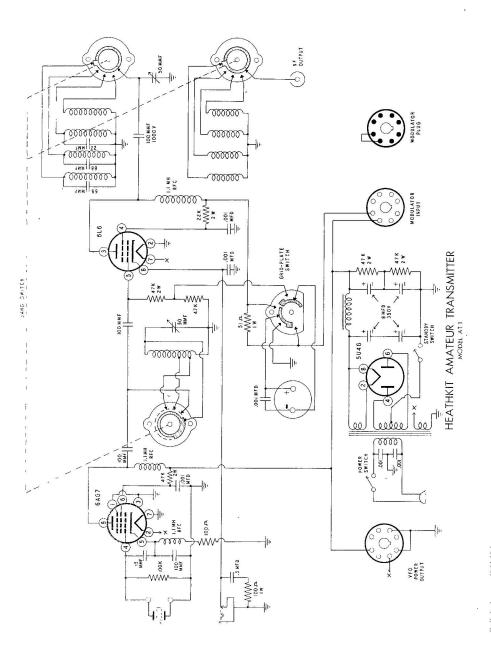


HEATHKIT AMATEUR TRANSMITTER MODEL AT-1

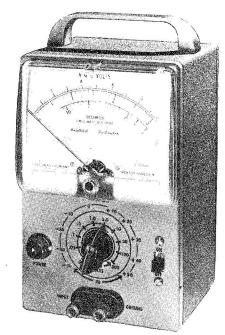


SPECIFICATIONS

RF Amplifier Power Input	
Oscillator Operation	
Amplifier OperationC	CW, can be modulated for phone
Band Coverage 8	30, 40, 20, 15, 11, 10 Meters
Tube Complement	
5U4GR	Rectifier
6AG7C	
6L6 A	Amplifier - Doubler
Power Requirements1	105-125 50/60 Cycle, 100 Watts
Cabinet Size	3 1/8" high x 13 1/8" wide x 7" deep
Net Weight 1	13 lbs.

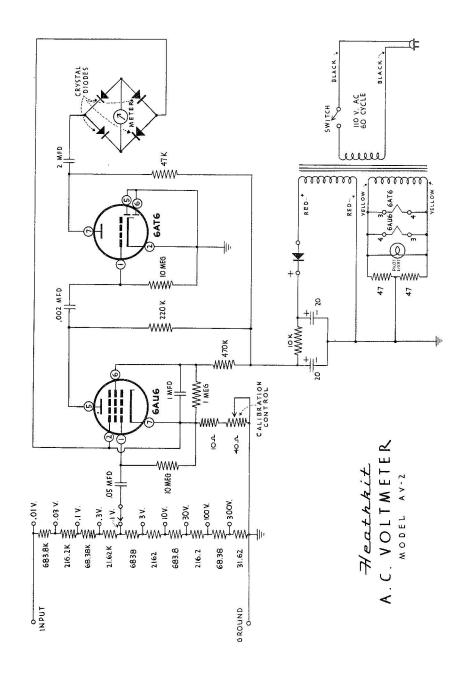


HEATHKIT MODEL AV-2 A. C. VOLTMETER



Technical Specifications

Power Requirement:	105-125V AC, 50-60 cycles, 10 Watts
Tube Complement:	1 - 6AU6 1 - 6AT6
Input Impedance:	1 Megohm at 1 KC
Ranges:	.01, .03, .1, .3, 1, 3, 10, 30, 100, 300 V RMS
Decibels:	Total range -52 to $+52$ db, scale -12 to $+2$ db. (1 MW - 600 ohm) ten switch selected ranges from -40 to $+50$ db.
Physical Specifications:	7-3/8" high x 4-11/16" wide x 4-1/8" deep
Net Weight $3\frac{1}{2}$ lbs.	Shipping Weight 5 lbs.

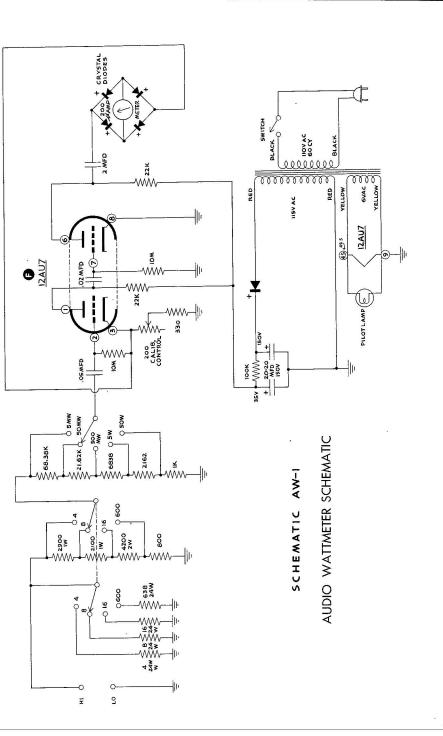


HEATHKIT AUDIO WATTMETER

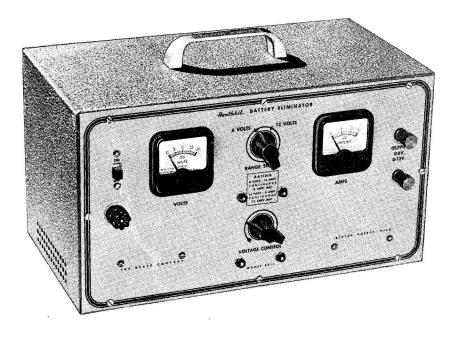
MODEL AW-1



Frequency Response	
DB Ranges	otal range, -15 db to +48 db, scale -5 to +18 db l mw - 600 Ω). Five switch selected ranges from 10 db to +30 db.
Load Resistors4	Ω_{*} 8Ω, 16 Ω and 600 Ω -non-inductive, switch elected.
m	p to 25 watts maximum continuous duty, 50 watts. aximum intermittent. Duty cycle 50 watts is 3 ninutes. Ventilated cabinet allows efficient cool- g.
MultipliersPr	recision type
Meter4	
Meter RectifierCn	rystal diode bridge for wide range frequency esponse.
Tube	2AU7 - voltage amplifier and current amplifier or meter.
Power Supply. Power Power Requirements. 10 Dimensions. 7 Net Weight. 5 Shipping Weight. 6	05-125 volt AC, 50/60 cycle, 6 watts 3/8" high x 4 11/16" wide x 4 1/8" deep lbs.



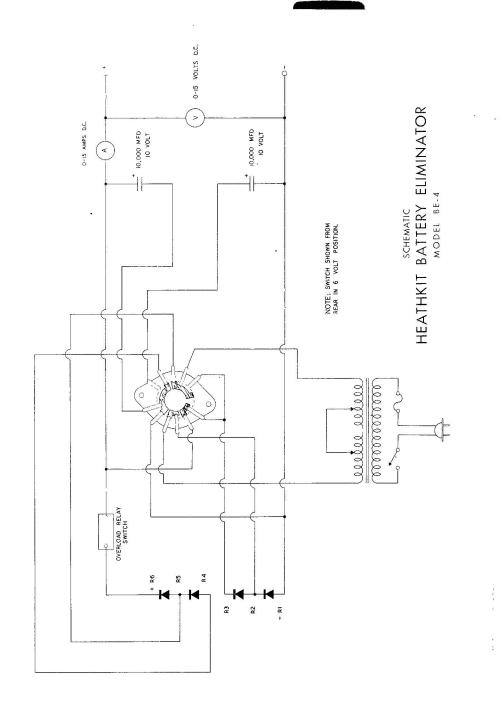


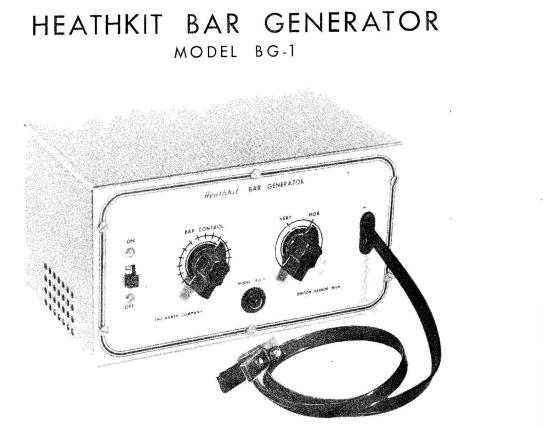


SPECIFIC ATIONS

Continuously variable voltage output

0-8 volts DC	10 amperes continuously
	15 amperes maximum intermittent
0-16 volts DC	5 amperes continuously
	7.5 amperes maximum intermittent
Power Requirements	
Dimensions	. 13 1/4" wide x 7 1/2" deep x 7 1/4" high
Approximate shipping weight	22 lbs.



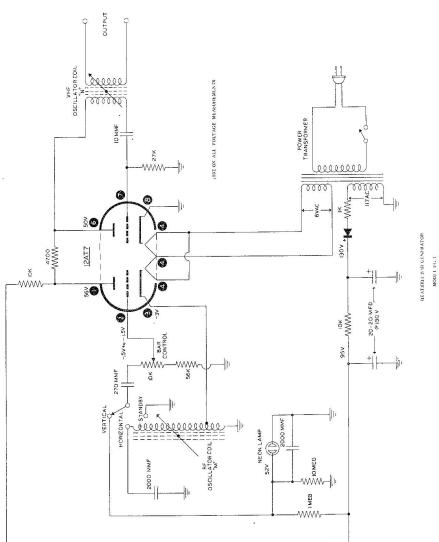


SPECIFIC ATIONS

Carrier Frequency	60 to 80 megacycles
Modulating Frequencies Radio Frequency (Horizontal Linearity)	113 to 172 KC 480 cps. (Approx.)
Output Voltage Power Supply	12AT7 Transformer operated half-wave
Power Requirements	105-125 volts, 50-60 cycles AC 8 1/8" wide, 4 3/8" high, 4 7/8" deep
Shipping Weight	6 lbs.

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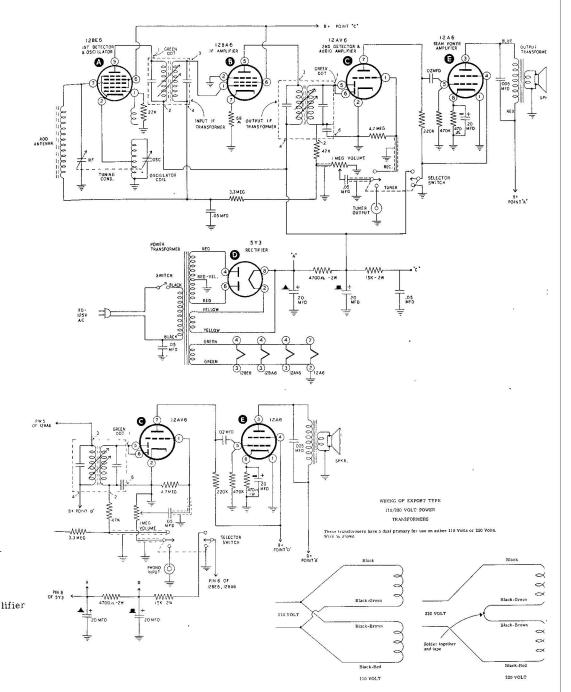
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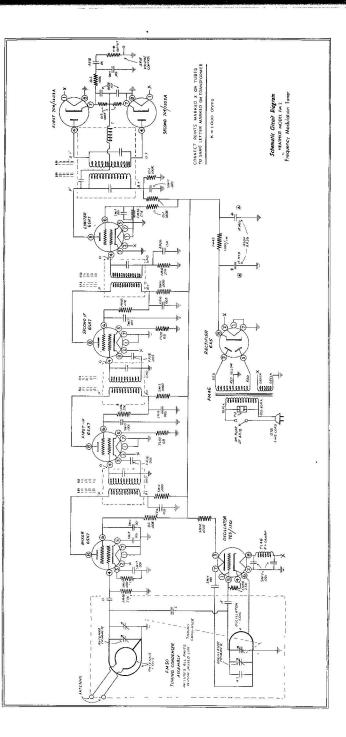


HEATHKIT BROADCAST BAND RECEIVER MODEL BR-2

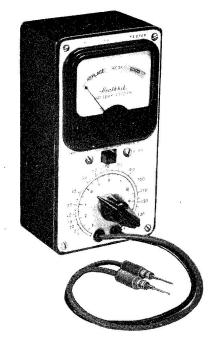


Radio Tuning Range I.F. Frequency Antenna Speaker (included) Tuner Operation	455 kc Built-in High Sensitivity Rod Type 5 1/2" PM 4 ohm Voice Coil
Output.	High impedance to any amplifier input with resistance of 100,000 ohms or more. 110 V outlet provided for amplifier, phono player, etc.
Phonograph	
Input.	1 megohm high impedance for optimum per- formance with any good quality crystal or ceramic phono pickup.
Tube Complement	
Tube Comptement	 1 - 12A6 Beam Power Amplifier 1 - 12AV6 Detector, A.V.C. and Audio Amplix
	1 - 12BA6 I.F. Amplifier
	1 - 12BE6 Pentagrid Converter
Power Requirements	105-125 V 50-60 cycles AC 40 watts
Dimensions	11 1/2" wide, 5 3/4" high, 6 3/4" deep





HEATHKIT MODEL BT-1 BATTERY TESTER



SPECIFICATIONS

HEATHKIT BATTERY TESTER MODEL BT-1

Test Ranges Load Current Meter Indications Size

Shipping Weight

0 to 15 volts 0 to 180 volts

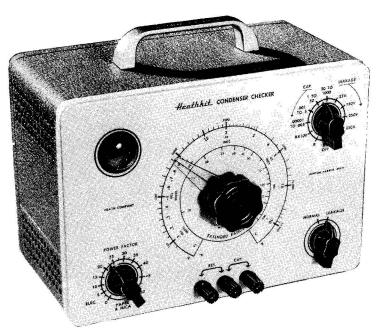
"A-Batt" Range 100 MA. "B-Batt" Range 10 MA.

GOOD-WEAK-REPLÀCE

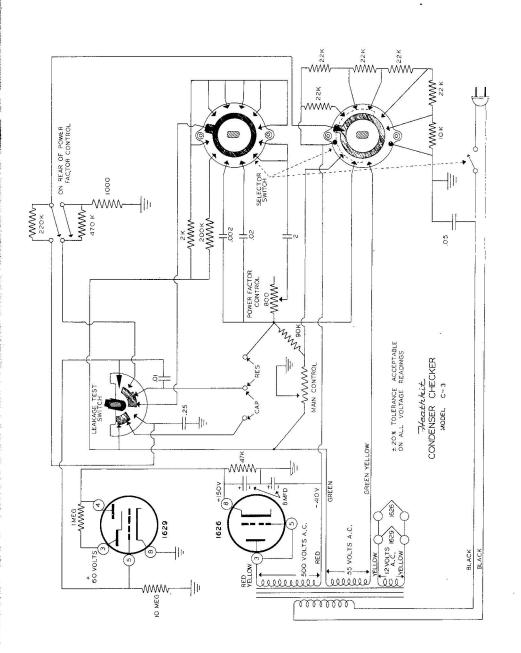
Length 5 7/8", Width 3", Height 2 3/4"

3 Pounds

HEATHKIT CONDENSER CHECKER



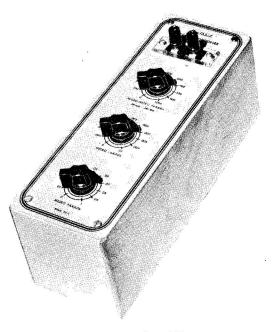
Power Requirements:	$9\frac{1}{2}$ " wide x $6\frac{1}{2}$ " high x 5" deep 7 pounds Power transformer—half wave rectifier
D-C Leakage Test	
Polarizing Voltages: 5 Ranges:	25 volts d-c 150 volts d-c 250 volts d-c 350 volts d-c 450 volts d-c
Resistance Ranges: 2 Ranges:	10,000 ohms to 5 megohms
Circuit:	A-c powered bridge for both capacitive and resistive measurements. Maximum open- ing of electron beam indicator denotes bridge balance.





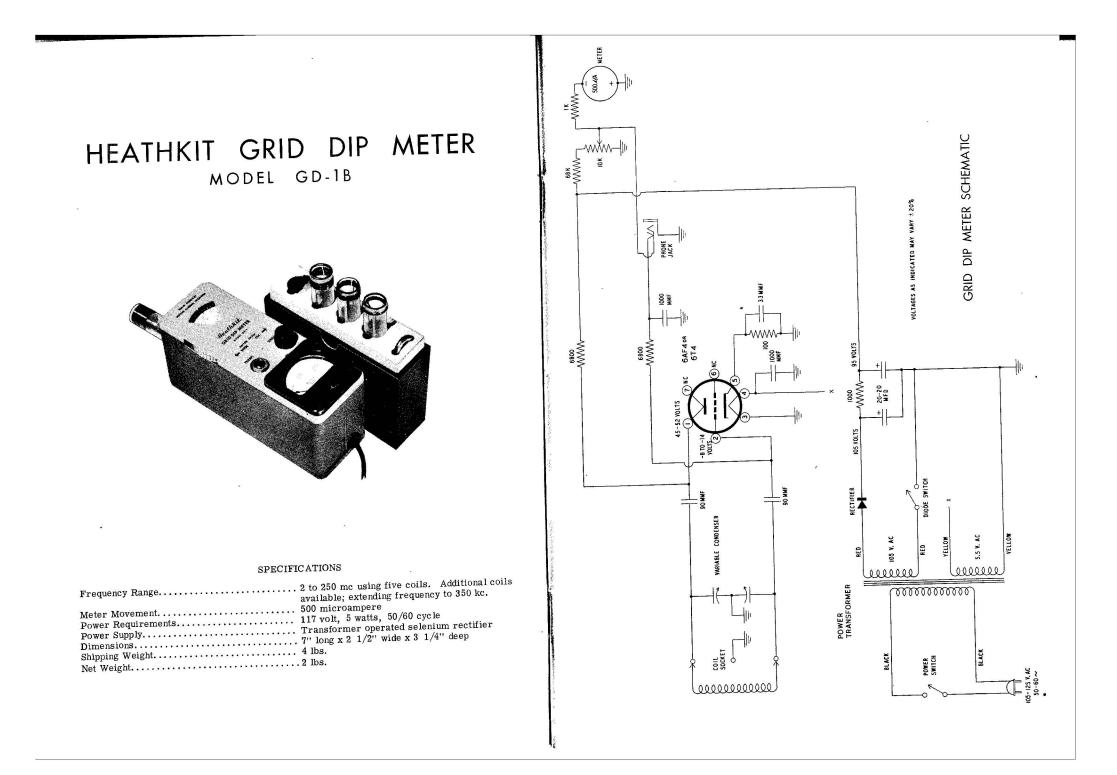
HEATHKIT DECADE CONDENSER

MODEL DC-1

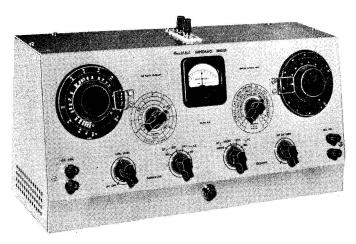


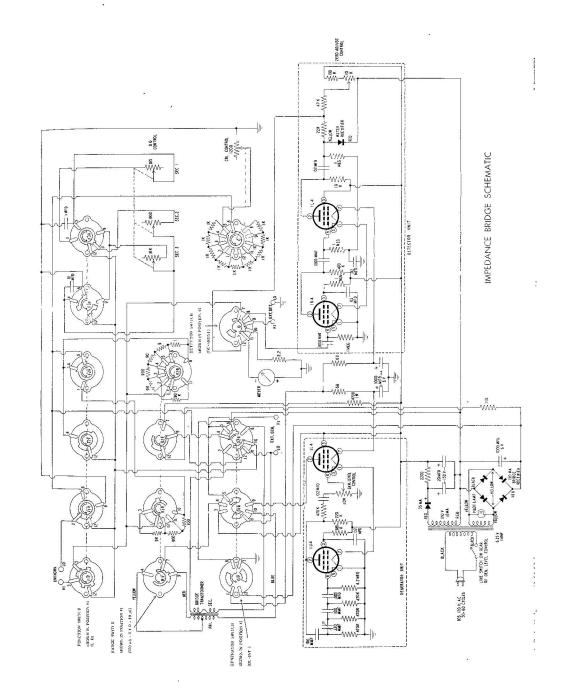
SPECIFICATIONS

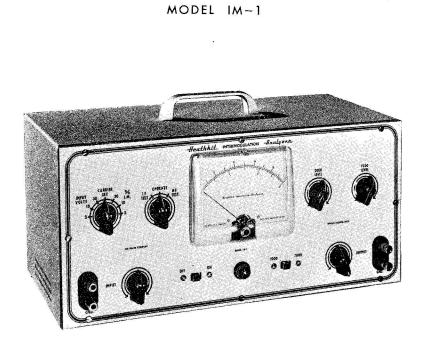
SPECIFICATIONS Voltage Rating 350 volts DC, continuous; 500 volts DC, intermittent, 1 Range1 Ω to 99,999 Ω in one ohm steps Voltage Rating 350 volts DC, continuous; 500 volts DC, intermittent, 1 Components Resistors: Precision - 1/2% accuracy Dielectric Silver mica Maximum Current Units500 MA Accuracy of Incremental Plus or minus 1%	
Components	100 0
Switches: Ceramic Accuracy of Incremental Maximum Current Units500 MA Capacity Plus or minus 1%	
Dimensions 14 1/2" x 3 3/8" x 3 3/8" Birch Cabinet Zero capacitance 15 to 20 mmf. with all switches set at zero Binensions 3 3/4" wide, 4 3/4" high, 10 5/8" deep	



HEATHKIT IMPEDANCE BRIDGE





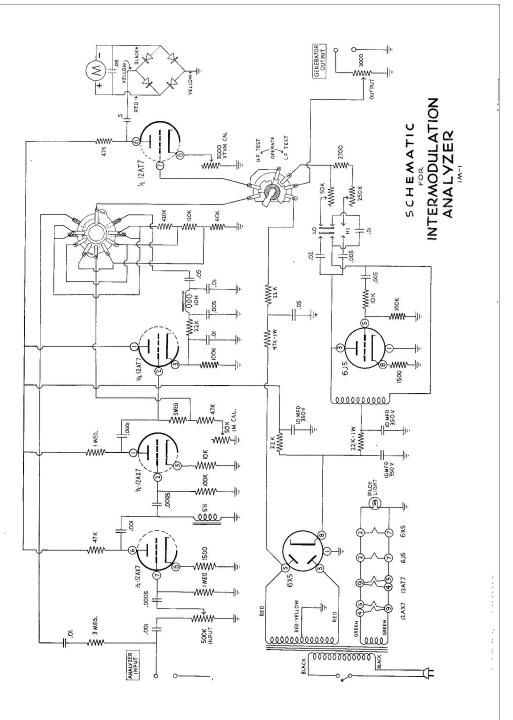


HEATHKIT INTERMODULATION ANALYZER

TECHNICAL SPECIFICATIONS

Power Requirements:	105-125V AC, 50-60 cycles, 30 Watts
Tube Complement:	1 12AT7 Detector and Meter Amplifier 1 6J5 HF Oscillator
Analyzer Ranges:	1 6X5 Rectifier Full Scale 30% - 10% - 3% 60 cycles (Line Frequency) Approx. 3000 and 7000 cycles 4 to 1 voltage normal—can be set to any combination.
Generator Output Impedance: Voltmeter Ranges: Dimensions: Shipping Weight:	Solo ohms Full Scale 30 Volts - 10 Volts - 3 Volts 7" high x 15" wide x 8" deep 10 lbs.

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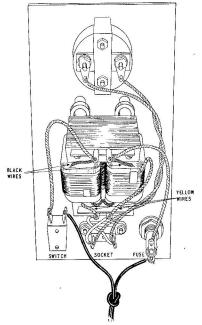
HEATHKIT ISOLATION TRANSFORMER MODEL IT-1

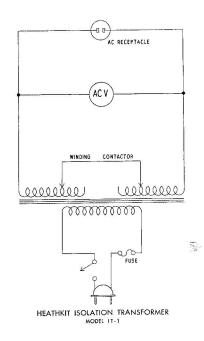


APPLICATIONS

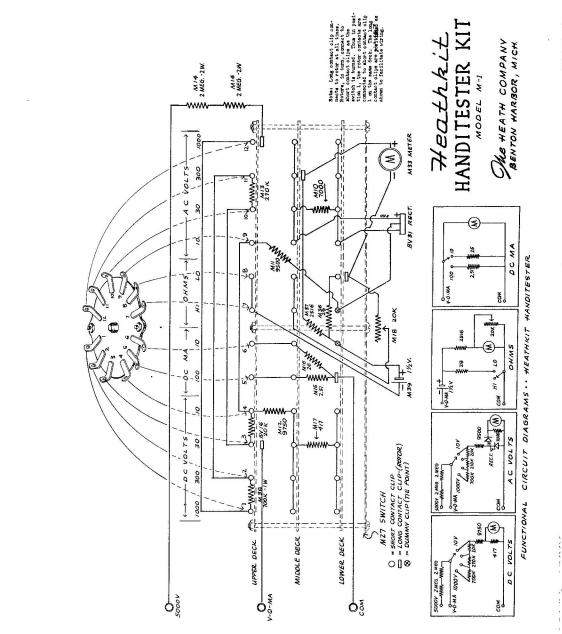
The Heathkit Isolation Transformer will fulfill a multitude of requirements in service shops. Notonly will it provide isolation for universal or transformerless type radios and thereby eliminate shock hazard, it will also provide a means of increasing the AC voltage applied to the radio. In this manner, intermittent conditions of operation can be detected by applying higher than normal voltages and thereby inducing a breakdown in the component affected. While this does not necessarily represent the universal solution to intermittent operation difficulties, it will prove extremely helpful in eliminating some of the more common faults.

It is possible that many other applications of the Isolation Transformer will suggest themselves to the user; i.e. it can be used to isolate interference radiating devices from the AC line thereby reducing interference level. It can also be used in checking fluorescent lamp starters by determining the voltage level required for operation. Small motors or appliances may have their operating characteristics altered through the use of a variable voltage isolation transform-





WIRING PICTORIAL



HEATHKIT HANDITESTER MODEL M-1

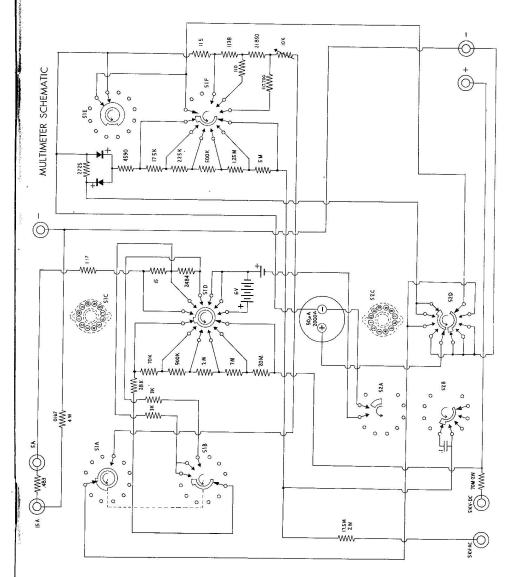


	. Full scale 10-30-300-1,000 and 5,000 Volts . Full scale 10-30-300-1,000 and 5,000 Volts . 0-3,000 Ohms, 30 Ohms Center
Tunge Ommeter	0-300,000 Ohms 30 Ohms Center
Range Milliamperes	
Meter Movement	400 Microampere 3"
AC Rectifier	
Accuracy	1% divider and calibrating resistors provided
	Meter movement 2% of full scale
Case	
Ohmmeter Battery	Burgess No. 1 Unicell Flashlight Battery

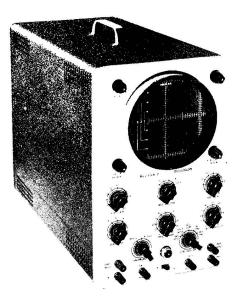
HEATHKIT MULTIMETER MODEL MM-1



Sensitivity	20,000 ohm/volt DC, 5000 ohm/volt AC
Range, DC Volts	1.5 - 5 - 50 - 150 - 500 - 1500 - 5000
Range, AC Volts	1.5 - 5 - 50 - 150 - 500 - 1500 - 5000
Range, Direct Current	150 microamperes, 15 - 150 - 500 milliamperes,
	15 amperes.
Range, Ohmmeter	0.2 ohms to 20 megohms
Range, Decibels	-10 to $+65$ db
Resistors	1% precision type
Controls	Range switch, Output-AC-DC-Reverse DC switch,
	Ohme adjust control
Batteries	1 type C cell 4 Denlite celle
Cabinet	Diask Dakolita
Dimensions.	$\frac{1}{2}$
Net Weight.	7 1/2" x 5 1/2" x 4"
Shinning Weight	4 lbs.
Shipping Weight	6 lbs.



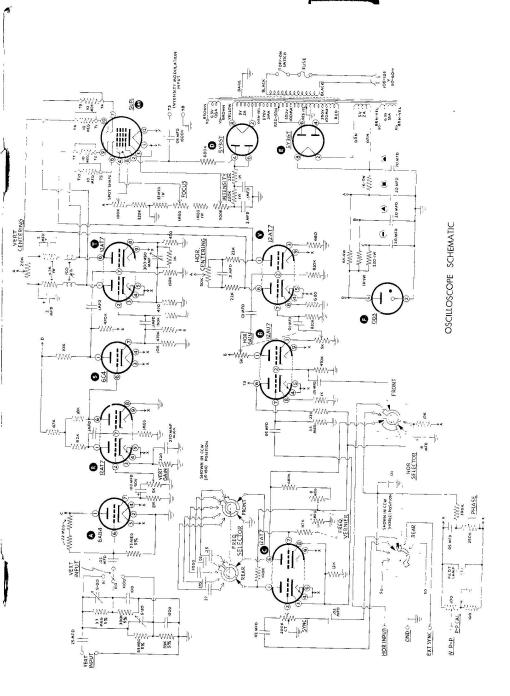
HEATHKIT OSCILLOSCOPE



SPECIFICATIONS

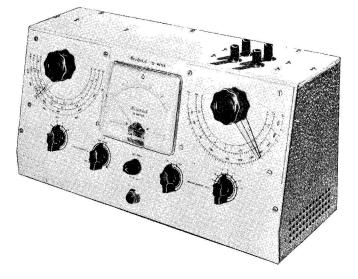
Vertical: Frequency Response
± 6 db 5 cycles to 3 mc
Sensitivity
Input Impedance
35 $\mu\mu$ f shunting 2 megohm X10-100 position
Horizontal: Frequency Response
Sensitivity
Input Impedance
Sweep Generator
Tube Complement
Tube Complement 1 - 5UP1 Cathode Ray Tube
1 - 6AB4 Vertical Input
1 - 12AU7 Horizontal Input and Blanking
1 - OD3 Regulator
1 – 6C4 Vertical Phase Splitter
4 - 12AT7 Multivibrator, Vertical Cascade Am-
plifier, Horizontal and Vertical Deflection Am-
plifiers.
2 - 5Y3GT Low and High Voltage Rectifiers
Power Requirements 105-125 volts 50/60 cycle, 70 watts
Dimensions
Net Weight
Shipping Weight

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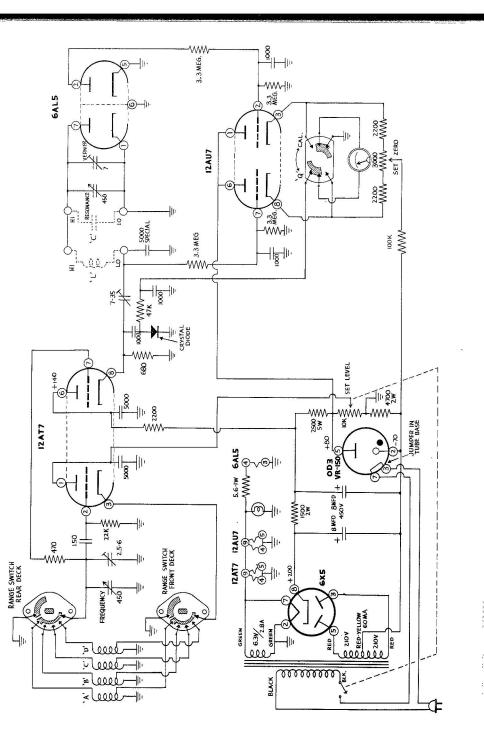


HEATHKIT MODEL QM-1 Q-METER

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Power Requirements	ts
Tube Complement	2.05
1 - 12AU7 VTVM amplifier	
••••••••••••••••••••••••••••••••••••••	
· · · · · · · · · · · · · · · 1 - 6X5 Rectifier	
Frequency Range	
Inductance Scale Range 1 micro H 10 milli H	
Actual Capacity Scale Range	
Effective Capacity Scale Range 40 MMF - 400 MMF	
Vernier Capacity Scale Range 3 MMF - +3 MMF	
"Q" Scale Range	
Dimensions	



HEATHKIT RECORD PLAYER

MODEL RP-1

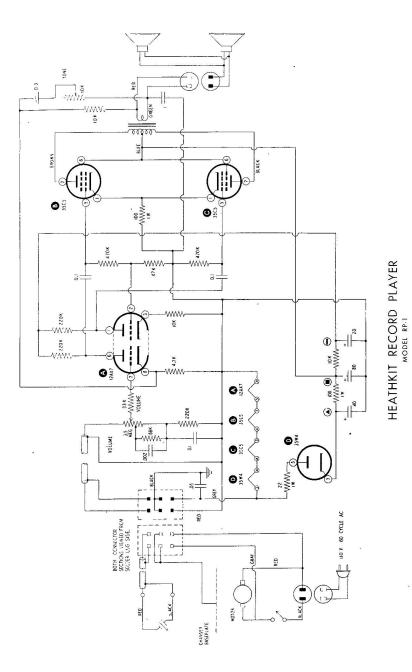


AMPLIFIER SPECIFICATIONS

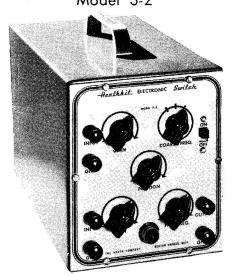
Tube Complement	12AX7 Voltage Amplifier and Phase Splitter 2 - 35C5 Push-Pull Power Amplifiers
	35W4 Rectifier
Controls	Compensated Volume Control
	Separate Tone Control
Power Requirements	117 volt 60 cycle AC, 45 watts

FEATURES

Record Changer Three speed, Automatic shut-off
Speakers 2 - 6" matched
Cabinet
Dimensions
Chineman Weight 30 lbs
Shipping Weight



Heathkit Electronic Switch Model S-2



TECHNICAL SPECIFICATIONS

 Input Voltage
 110-125V AC 50-60 cycles

 Power Consumption
 25 Watts

 Tube Complement:
 650 (GT) Rectifier

 1
 650 (GT) Multivibrator

 1
 650 (GT) or 6517 (GT) Multivibrator

 1
 650 (GT) or 6517 (GT) A Amplifier

 1
 650 (GT) or 6517 (GT) B Amplifier

 1
 650 (GT) or 6517 (GT) Or 6517 (GT) B Amplifier

 1
 650 (GT) or 6517 (GT) Or 6517 (GT) B Amplifier

 1
 650 (GT) or 6517 (GT) Or 6517 (GT) B Amplifier

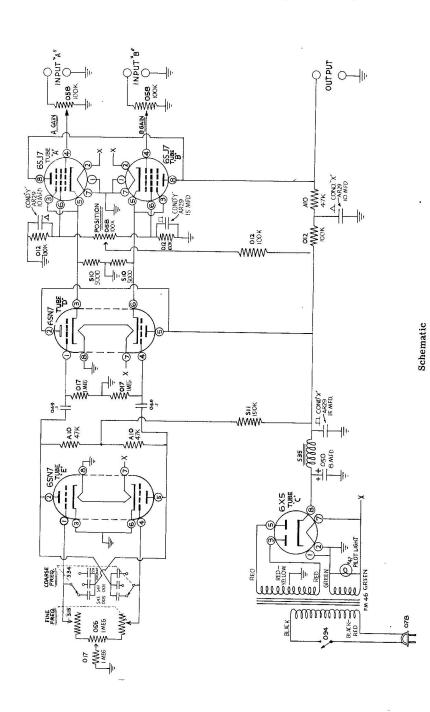
 1
 650 (GT) or 6517 (GT) Or 6517 (GT) B Amplifier

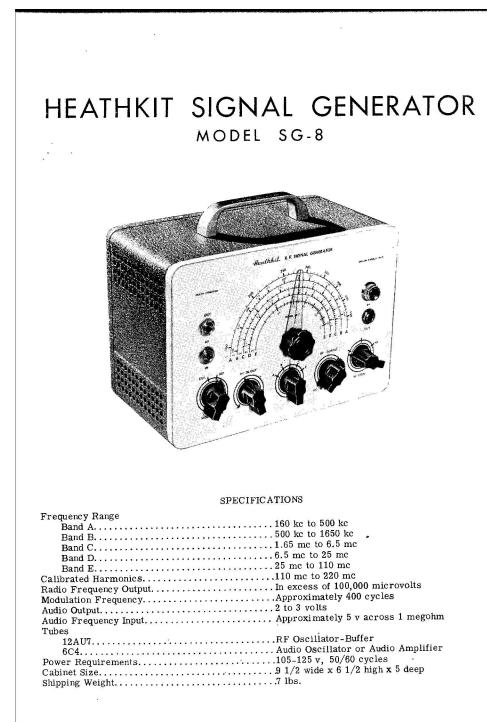
 1
 650 (GT) or 6517 (GT) Or 6517 (GT) B Amplifier

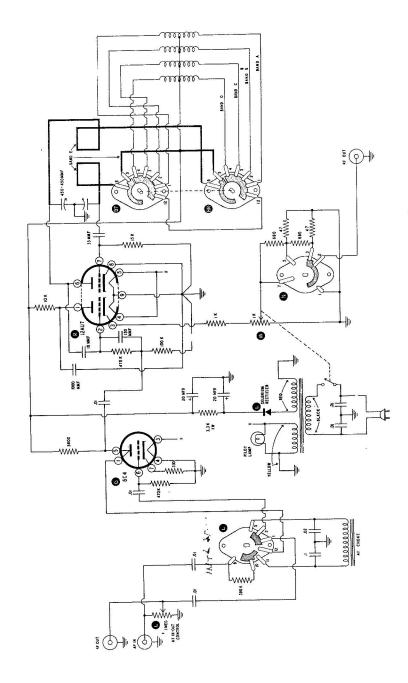
 1
 650 (GT) or 6517 (GT) Or 6517 (GT) B Amplifier

 1
 650 (GT) or 6517 (GT) Or

Low Indige. Dead that to oper to too ope.	
Middle range: 50 Cps. to 400 Cps.	
High range: 250 Cps. to 2000 Cps.	
Physical Specifications:	
Length (excluding knobs) 10	1/8"
Width.	- /0#
neight (excluding handle and leet)	5 /0#
Net Weight	lbs.
Shipping Weight	lbs.

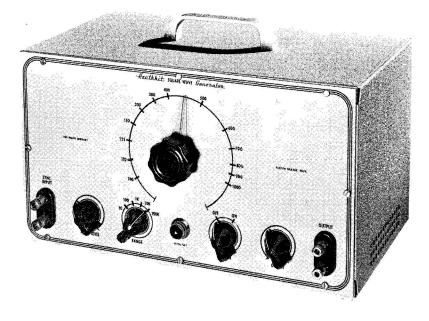






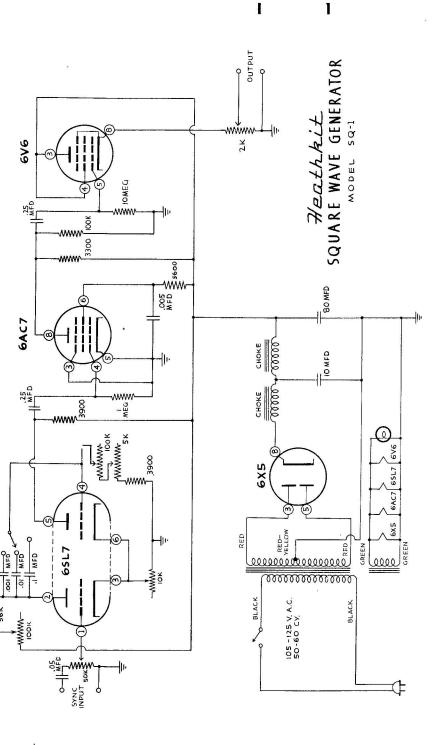


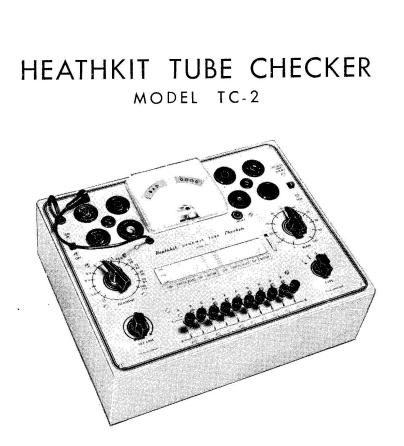
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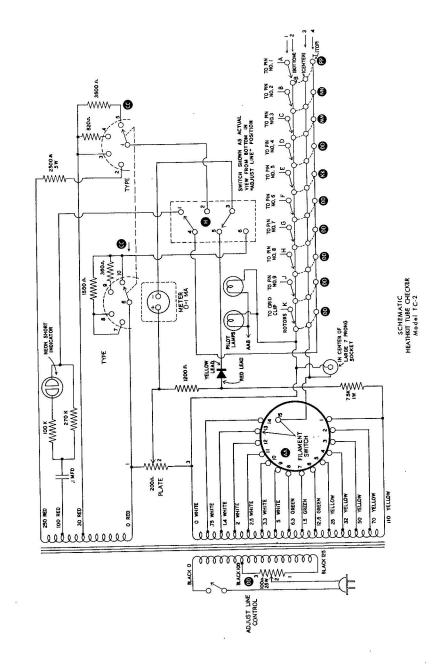
TECHNICAL SPECIFICATIONS

Power Requirements:	105-125 VAC, 50-60 Cycle, 10 Watts
Ranges:	100 - 1000 - 10 KC - 100 KC
Tube Complement:	1 - 6SL7, 1 - 6AC7, 1 - 6V6, 1 - 6X5
Physical Specifications:	$12\frac{1}{2}$ " Long, 7" High, $7\frac{1}{2}$ " Deep
Shipping Weight 13 lbs.	Net Weight 11 lbs.





Simplified set-up procedure. Rapid switch selection of individual tube elements. Any combination of base pin connections. Check for quality, emission, shorted elements, open elements, and filament continuity. Checks 4, 5, 6, and 7 pin large, regular and miniature, octal, loctal, Hytron, 9 pin miniature and pilot lamps.
Individual tests on multiple element tubes.
Blank panel socket for obsolescence protection.
Compensation for line voltage variation.
New smooth rolling illuminated roll chart.
Easy to read GOOD-BAD meter scale.
Fourteen Filament voltages75 to 117 volts
Element Test Voltages0-250 volts
Dimensions $14''$ wide x $11''$ deep x $4 1/4''$ high
Power Requirements



HEATHKIT VISUAL-AURAL SIGNAL TRACER MODEL T-3



FEATURES AND APPLICATIONS

High gain RF channel for direct observation of actual transmitted signal. Can be used for AM, FM and TV circuit investigation.

Low gain channel for audio circuit exploration.

Visual signal indicator.

Convenient wattmeter circuit.

Noise locater circuit.

Utility amplifier for checking record changers, tuners, etc.

Useful for checking microphones, musical instrument pickups and speakers. Substitution test speaker and output transformer.

Oscilloscope preamplifier.

VTVM panel terminals.

Output meter.

TUBE COMPLEMENT

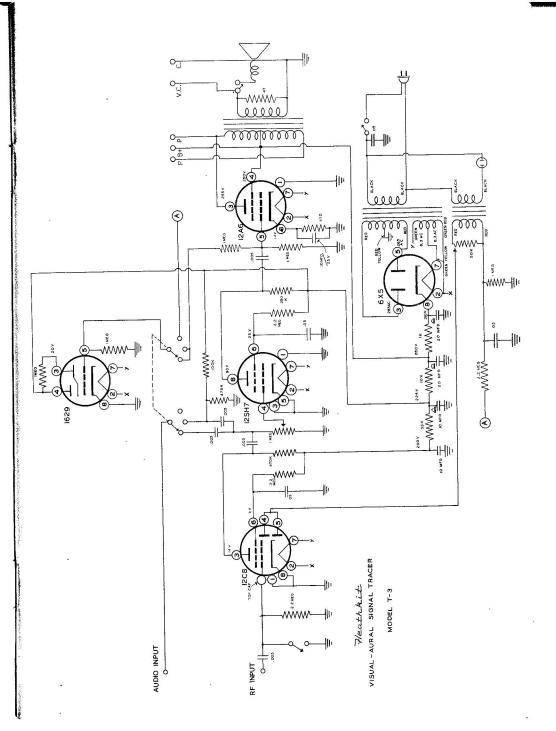
12C8 amplifier and wattmeter rectifier. 12SH7 high gain pentode amplifier. 12A6 beam power output. 1629 electron beam visual indicator. 6X5 full-wave rectifier.

PROBES AND TEST LEADS

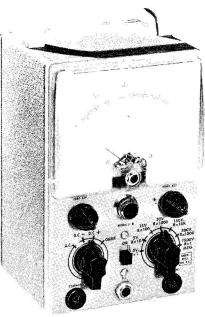
Shielded RF probe and lead. Audio probe and lead. Two flexible panel test leads with alligator clips.

SPECIFICATIONS

Cabinet size $9\frac{1}{2}$ " wide $6\frac{1}{2}$ " high 5" deep. Shipping weight 8 pounds. Power requirements 110 to 120 volts AC at 50-60 cycles.



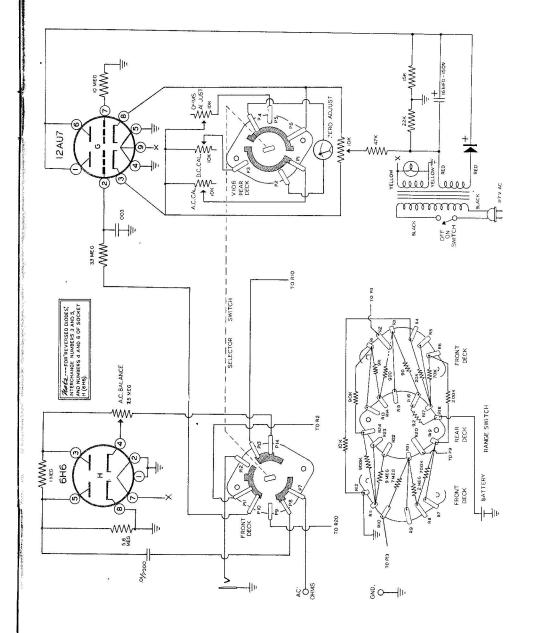
HEATHKIT VTVM MODEL V-6

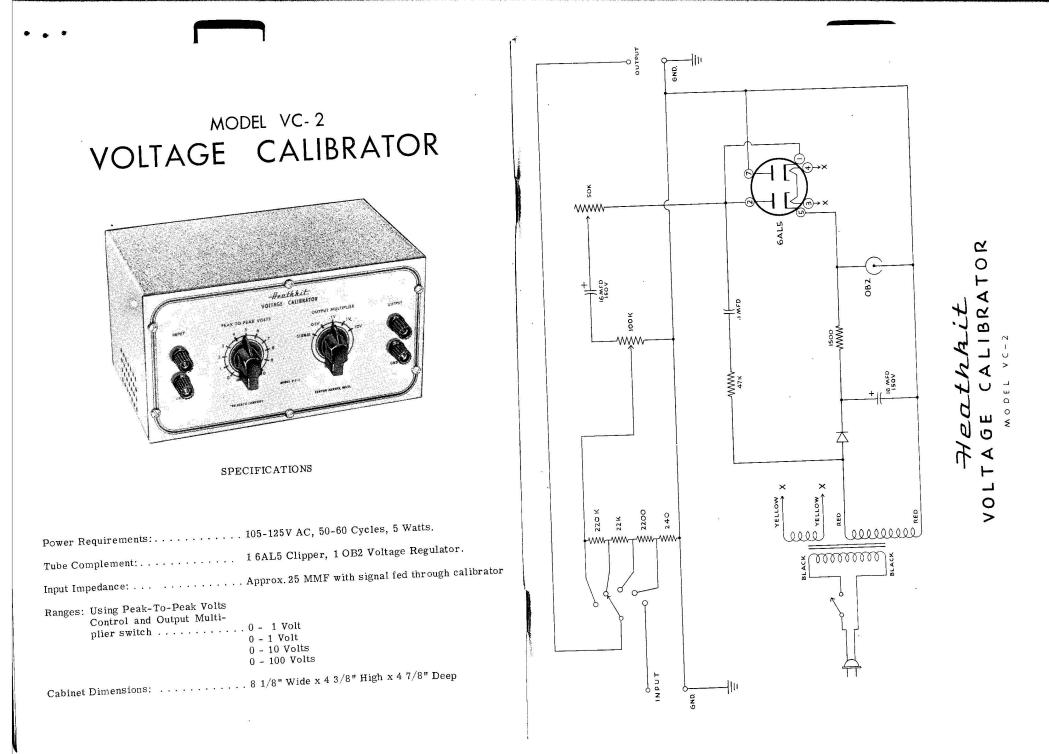


SPECIFICATIONS

Power Requirements:	105-125V 50/60 Cycle AC, 10 Watts.
Cabinet Size:	7 3/8" high x 4 11/16" wide x 4 1/8" deep.
Kit Shipping Weight:	7 pounds
Meter:	$4\frac{1}{2}$ " Streamlined case with 200 microampere move-
	ment.
Multipliers:	Precision type.
Tubes:	1 - 12AU7 Twin triode meter bridge.
	1 - 6H6 Twin diode AC rectifier.
Power Supply:	Power transformer and selenium rectifier.
Battery	$1\frac{1}{2}$ Volt flashlight cell
D. C. Voltmeter: 7 Ranges:	0-1.5, 5, 15, 50, 150, 500, 1500 volts full scale.
	With accessory probe to 30,000 Volts.
Input Resistance:	11 Megohms (1 megohm in probe) on all ranges.
	1,100 megohms with accessory probe.
Sensitivity:	7,333,333 ohms per volt on 1.5 Volt range.
Circuit:	Balanced bridge (push-pull) using twin triode.
Electronic AC Voltmeter: 7 Ranges:	0-1.5, 5, 15, 50, 150, 500, 1,500, (1000V Max.)

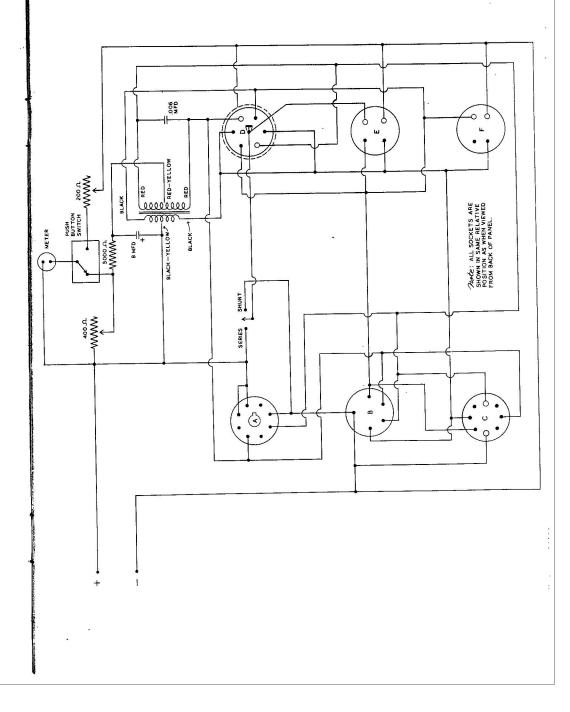
Circuit: Diode with adjustable compensation. Electronic Ohmmeter: 7 Ranges: Scale with 10 ohms center x1, x10, x100, x1000, x10K, x10K, x1 Meg. Measures .1 ohm to 1,000 megohms with internal battery.





HEATHKIT MODEL VT-1 VIBRATOR TESTER





SPECIFICATIONS

Power Requirements

Meter Indications

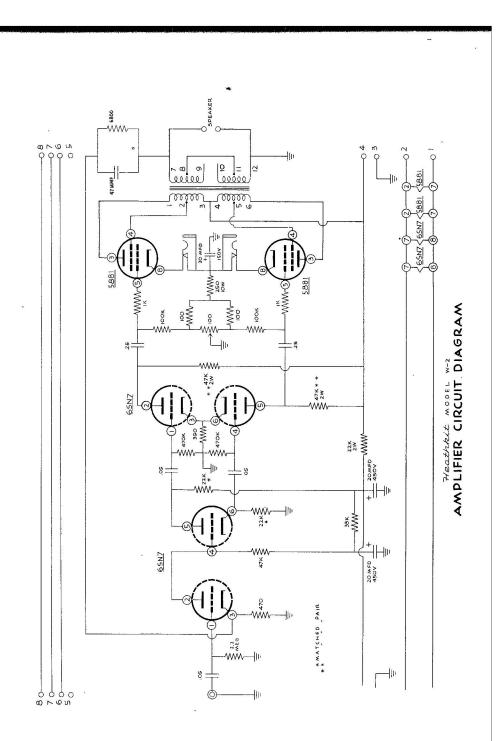
Size

Shipping Weight

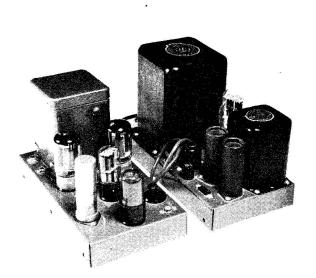
4 to 6 Volts DC (Variable) 4 Amperes GOOD-BAD

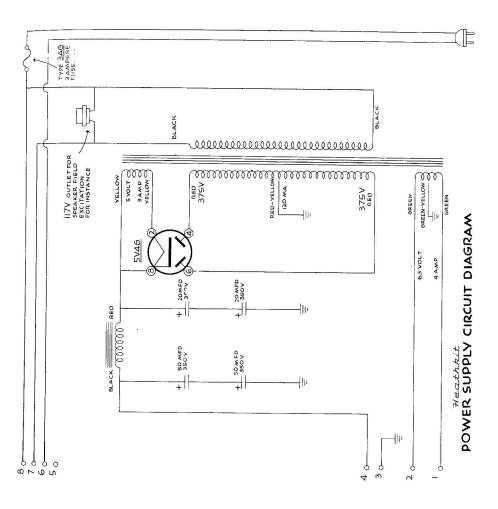
Length 10", width 7 1/8", Depth 3 1/2" 7 Pounds

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HEATHKIT "WILLIAMSON TYPE" AMPLIFIER MODEL W-2



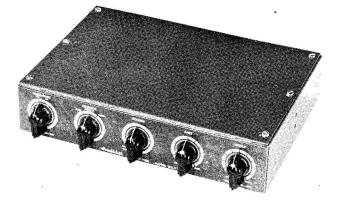


TECHNICAL SPECIFICATIONS

Amplifier and Power Supply (W-2M)

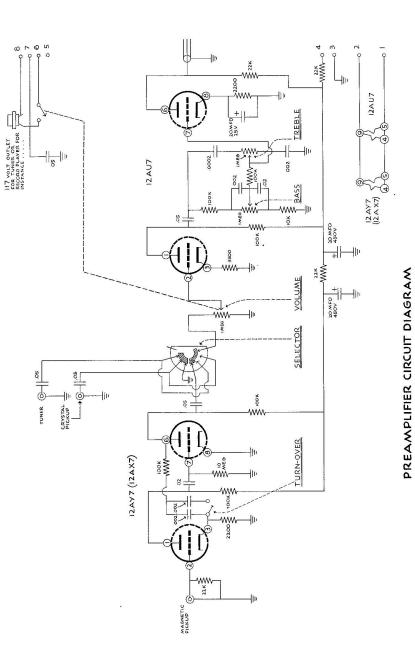
Tube Complement	2 - 6SN7GT; $2-5881$; $1 - 5V4G$
Frequency response	within 1 db from 10 cycles to 100 KC.
Harmonic distortion at 5 watt output	less than 0.5% between 20 cycles and 20 KC
IM distortion at 5 watt equivalent output	0.5% using 60 and 3000 cycles.
Output impedance	4, 8 or 16 ohms .
Input voltage for 5 watt output	
Power requirements	105-125 volts 50/60 cycles 120 watts.
Overall dimensions (each unit)	7" high x $5\frac{1}{2}$ " wide x 11" long.

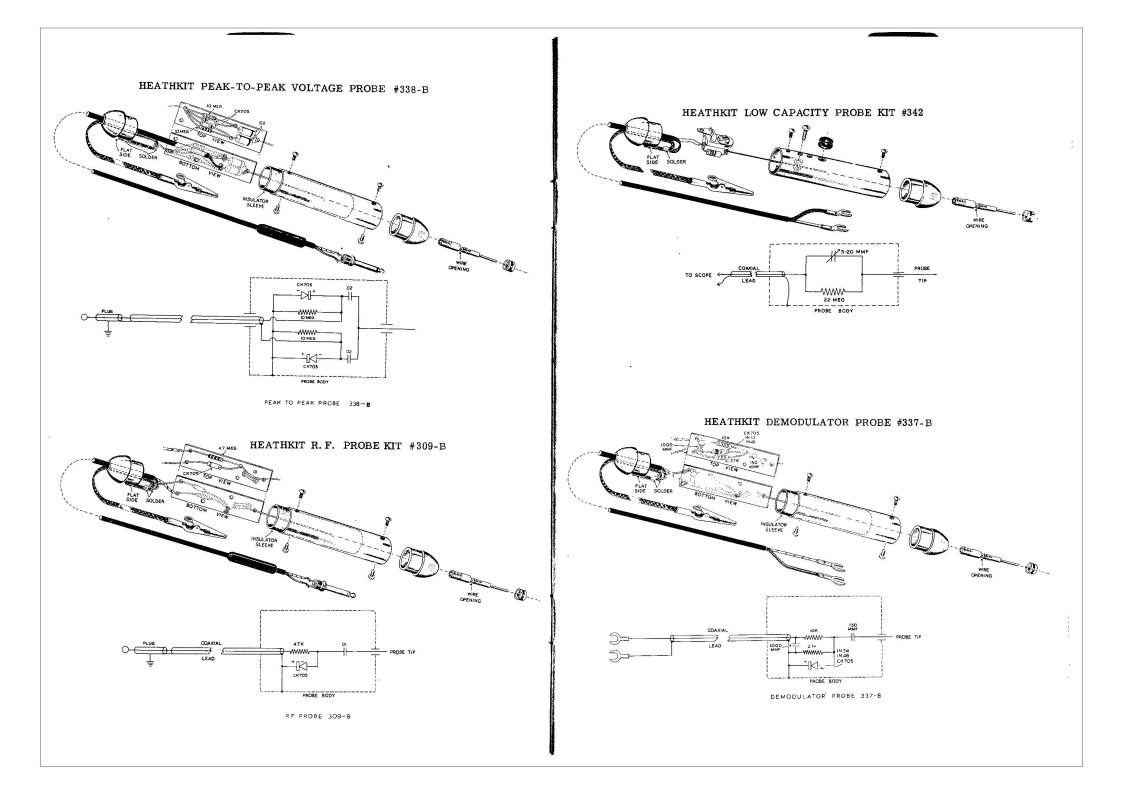
HEATHKIT PREAMPLIFIER MODEL WA-P1



Preamplifier (WA-P1)

Tube Complement	1 - 12AY7 (or 12AX7) and 1 - 12AU7.
Switch selected inputs.	2 - low gain for crystal pickup and tuner.
	1 - high gain for magnetic pickup.
Switch selected turn-over	for 78 RPM and LP on high gain channel.
Base tone control at 20 cycles	
Treble tone control at 20KC	boosts 15 db max., cuts 15 db max.
Input voltage at 1KC for 1.2 volts output	0.2 volts across 1 megohm on low gain channels.
	0.004 volts across 22K on high gain channel
Power requirements	220V DC at 6 mA and 6.3V at 600 mA.
Dimensions less shafts and knobs	$2\frac{1}{4}$ " high x $10\frac{1}{4}$ " wide x $7\frac{1}{4}$ " deep.





This presentation of HEATHKIT SPECIFICATIONS AND SCHEMATICS represents the world's greatest selection of kit form electronic equipment offered by the world's largest kit manufacturing company.

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Heath Company Benton Harbor, Michigan

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