










PRICE LIST

FEBRUARY 15, 1966

(Supersedes list dated 2-22-65)

MODEL	DESCRIPTION	USER NET PRICE
 123R	Industrial and Laboratory Cardmatic Automatic Tube Tester. A genuinely complete tube tester - card-programs complete "fringe" tests, saturation and cut-off tests, in addition to basic Gm measurement. Gm ranges: 500-26,000 umhos. Current ranges: 100 ua to 510MA. Accommodates 4-, 5-, 6-, 7-pin tubes, octals, loctals, 7- and 9-pin miniatures and 7-pin and octal subminiature tubes. Complete with pin straighteners and socket savers. Supplied with 500 selected cards but may be ordered less cards, with user's choice of cards ordered separately. See below. Shipping weight, 57 lbs.	\$ 595.00
123R	Industrial and Laboratory Cardmatic Automatic Tube Tester. Identical to above unit but less cards. Shipping weight, 52 lbs.	555.00
 121	Low Cost, High Speed Cardmatic Automatic Tube Tester. A low priced version of the Model 123R brings the advantages of card-programmed testing within reach of the smallest service shop or industrial user. Measures Gm plus saturation, cut-off and important "fringe" tests. Accommodates 4-, 5-, 6-, 7-pin tubes, octals, loctals, 7- and 9-pin miniatures. Also tests transistors and diodes. Supplied with 342 selected cards covering popular entertainment tube types. Shipping weight, 39 lbs.	359.50
121	Low Cost, High Speed Cardmatic Automatic Tube Tester. Identical to above unit but less cards. Shipping weight, 36 lbs.	329.50
100-552	Card Punch with 50 blank cards for Model 121. (Order by Code #100-552.)	20.00
100-547	Card Punch with 50 blank cards for Models 123, 123A, 123R. (Order by Code #100-547.)	20.00

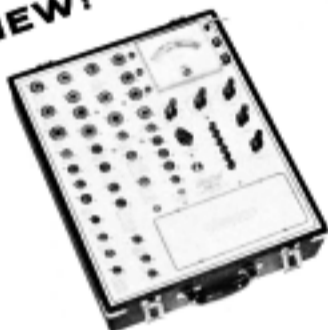
A self-mailing order form listing more than 2,000 additional test cards, is packed with each Cardmatic Tester. This makes it possible for the user to select only the cards he needs and will use. Supplemental lists, covering new test cards available for newly released tubes, are issued periodically to all registered owners of Cardmatic testers and to those who have previously ordered test cards.




	MODEL	DESCRIPTION	USER NET PRICE
	580	Laboratory and Industrial Portable Tube Tester. An entirely new instrument which can be set up directly to any tube test condition without having to rely upon the built-in roll chart. All tube test potentials individually variable. Accommodates 4-, 5-, 6-, 7-pin, loctal, octal, 7-, 9- and 10-pin miniature, 7- and 8-pin subminiature, 5- and 7-pin Nuvisitors, Compactrons and Novars. Leakage test sensitivity to 50 megohms. Gas test circuit detects grid current to 0.05 microamperes. Gm range to 60,000 umhos. Cathode reserve test. Push button feature speeds checks on dual section tubes. Shipping weight, 35 lbs.	\$585.00
	539C	Industrial and Laboratory Portable Tube Tester. Tests <u>all</u> the latest tubes, including Compactrons, Novars, 5- and 7-pin Nuvisitors, 10-pin "headers", VR tubes, low power thyratrons, "4-digit" types. VR test evaluates voltage regulator tubes under actual operating conditions. Provision for separate monitoring of plate current. Panel terminals provide access to grid, plate, cathode and heater circuits, permitting direct measurement of voltages and current for "non-standard" or "tailored" tests. Covers 600 to 60,000 umhos in six ranges. Metered line voltage, metered grid voltage. Dual leakage readings: directly on meter or by neon short indicator (sensitivity to 50 megohms). Complete with socket savers. Shipping weight, 35 lbs.	525.00
		Also available in aluminum case (additional)	37.30
	752A	Industrial and Communications Portable Tube Tester. Designed for use in maintaining communications equipment and industrial electronic apparatus. New voltage regulator test circuit tests VR tubes to handbook specifications, including firing point, regulating voltage and current range. Tests <u>all</u> the latest tubes including Compactrons, Novars, 5- and 7-pin Nuvisitors, 10-pin "headers". Push button test feature for dual-section tubes speeds selection of tubes for balanced or matched characteristics. Covers 1500 to 30,000 umhos in five ranges. Interelement leakage read directly on the meter (sensitivity to 10 megohms). Illuminated meter and roll chart. Complete with socket savers and pin straighteners. Shipping weight, 27 lbs.	365.00
	6000A	Service Technician's High Speed Deluxe Portable Tube, Transistor and Diode Tester. Tests <u>all</u> the latest tubes including Compactrons, Novars, 5- and 7-pin Nuvisitors, 10-pin "headers". Tests on new types are complete and accurate -- no paralleled elements. Sensitive, neon lamp type instantaneous interelement leakage and shorts test. Covers 3,000 to 15,000 umhos in three ranges. Also tests transistors and diodes. Complete with test leads. Shipping weight, 21 lbs.	239.50
	RSP-4C	Accessory Socket Plate Assembly for Model 6000A only to test older 4-, 5-, 6- and 7-pin tubes as well as octal, loctal, 7-, 9- and 10-pin miniature types. (Order by Code #1050-145.)	27.50
	SA-1	Subminiature Adapter for Model 6000 and 6000A, tests 7-pin inline and 8-pin round. (Order by Code #1050-94.)	8.95

MODEL	DESCRIPTION	USER NET PRICE
800A	Service Technician's Portable Tube, Transistor and Diode Tester. NOW tests Compactrons, 10-pin "headers", 5- and 7-pin Nuvisitors and Novars, in addition to 4-, 5-, 6-, 7-pin tubes, octals, loctals and 7- and 9-pin miniatures. Provides direct meter reading of interelement leakage and shorts. New filament continuity test speeds test of series string tubes. Also tests transistors and diodes. Complete with test leads. shipping weight, 21 lbs.	\$ 219.95
SA-2	Subminiature Adapter for Model 800A tests 7-pin inline and 8-pin round. (Order by Code #1050-99.)	8.95
799	"Mustang" Multi-socket Tube Tester. Mutual Conductance tests in a unique solid-state design. Transistorized sensing circuit provides 50 megohm leakage tests, 0.1 ua gas and emission tests. 39 sockets including new <u>decal</u> 10-pin socket. Color-coded "permutator" switch triples effective socket coverage. Two continuously variable Gm ranges to 20,000 umhos. Replaceable panel plate accommodates socket assembly for future tube additions. Shipping weight, 21 lbs.	199.95
SOCKET ADAPTERS AND ACCESSORIES		
CA-99	Adapter for Model 799 multi-socket tube tester, covers additional new tube types. Installs in Model 799 by removing replaceable adapter plate. Shipping weight, 6 lbs.	34.95
CA-4	Universal Adapter for testing Compactrons, Novars, 5- and 7-pin Nuvisitors, 10-pin types. No paralleled connections - gives an honest, complete mutual conductance test when used with a Hickok Tube Tester. Suitable for Cardmatic models and most other models except Models 532, 533, 534, 536, 538, 539A, 546, 600 and 605. Shipping weight, 6 lbs.	59.50
SA-1	Subminiature Adapter, tests 7-pin inline and 8-pin round tubes; for Models 121 and 6000A. (Order by Code #1050-94.)	8.95
SA-2	Subminiature Adapter, tests 7-pin inline and 8-pin round tubes; for Model 800A. (Order by Code #1050-99.)	8.95
SA-3	Nuvisor Adapter for all Hickok tube testers, including Models 121 and 123R. (Order by Code #1050-127.)	8.95
SA-4	Novar Adapter for all Hickok Tube Testers. Used for testing all RCA Novar tubes. (Order by Code #1050-144.)	8.95
SA-5	Rimlock Adapter for all Hickok Tube Testers. Used for testing European rimlock tubes. (Order by Code #1050-129.)	13.95
SA-6	Adapter for testing 829B and 832 tubes in any Hickok Tube Tester. (Order by Code #1050-107.)	14.75
SA-7	Acorn Adapter - for Models 539C, 800 and 6000A. (Order by Code #1050-9.)	16.75
SR-1 (7-pin), SR-2 (8-pin), SR-3 (9-pin)	Socket Saver Set. Designed specifically for use with older Hickok Tube Testers. Eliminates errors due to parasitic effects. (Order by Code #1050-75.)	14.95



NEW!



	MODEL	DESCRIPTION	USER NET PRICE
	SW-1 (7-pin), SW-2 (8-pin), SW-3 (9-pin)	Socket Saver Set for all late model tube testers. (Order by Code #1050-60).	\$ 9.50
	CRT-1	Picture Tube Adapter Accessory - Tests all picture tubes, including 110 ⁰ types. For use with all current Hickok manual tube testers. (Order by Code #1050-114.)	15.75
		Tube Tester Roll Charts. Specify Model and serial number.	2.25
		Tube Tester Roll Chart Subscription (Two years, 4 charts, mailed semi-annually)	6.50
		220/110 volt 50/60 cycle transformer. For 220 volt operation.	29.50
	890	Hickok's new <u>Dynamic Beta IN-CIRCUIT</u> Transistor Tester. Utilizes unique test circuit to measure AC Beta in OR OUT of circuit with 5% accuracy. Measures these in-circuit parameters: AC Beta, I _c . R _{in} (transistor input impedance), Z Ohms (base-emitter circuit impedance). Measures AC Beta, I _c , R _{in} and I _{cbo} out of circuit. Portable, completely self-contained, fully transistorized. Complete with test leads. Shipping weight, 8 lbs. Shipped less batteries.	155.00
	870	Dynamic Beta Transistor Tester. Measures AC and DC Beta. Variable collector voltage and current permits tests according to manufacturer's specifications. Tests switching transistors. Measures large signal DC Beta on power transistors - small signal AC Beta on low and medium power transistors. Collector Test current variable up to 2 amperes, permitting Beta measurement on power transistors rated 5 amperes or more. I _{cbo} Ranges: 100 ua, 1 ma, 10 ma. Beta ranges: 0-100, 0-300. Complete with replaceable roll chart. Shipping weight, 22 lbs.	355.00
		Roll Chart for Model 870	1.75
		Roll Chart Subscription (Two years, 4 charts, mailed semi-annually)	5.00
	850P	Engineer's Portable Transistor Analyzer. Ideal for use as a "breadboard" in transistor circuit design and development. Checks parameters in any of 3 configurations, common base, common emitter and common collector. Identical input and output meters cover 100 ua to 1 amp in 5 ranges. Furnished in attractive black leatherette portable carrying case. Battery operated. Shipping weight, 20 lbs. Shipped less batteries.	169.50



MODEL

DESCRIPTION

USER
NET
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209B True Vacuum Tube Volt-Ohm-Milliamperemeter and Capacitance Meter. 100 millivolt sensitivity. Special "lo-ohms" range. Measures capacitance as low as 1 uuf and up to 1,000 uf; inductance, 50 mh to 100 henries (with conversion chart). 1% stability with $\pm 10\%$ variation in line voltage. Complete with AC and DC probe assemblies, test leads, low capacity-high frequency probe. Shipping weight, 26 lbs.

\$239.50



470A Electronic Volt-Ohmmeter. Lightweight portable with advanced UNI-SCALE design reducing basic scales to TWO. AC-DC values read from the same scales. High sensitivity range (0.5 volt AC-DC) is especially suited for measuring transistor bias and similar potentials in the millivolt range. New AC-DC-Ohms single unit probe eliminates need for multiple leads. Complete with probe and leads. Shipping weight, 10 lbs.

89.50

PR-50KVA High voltage probe for use with Model 470A to check voltages up to 30 KV. Shipping weight, 2 lbs.

16.95



455A Burnout-proof Volt-Ohm-Milliammeter. Has Hickok's exclusive overload cut-out and protection system providing complete safety against burn-outs for the meter and all multipliers, shunts and other components. 20,000 ohms/volt AC and DC. Attractive, streamlined case, large, easy-to-read meter, complete with leads. Standard pack, two to a carton. Shipping weight, 12 lbs. total. Shipped less batteries.

89.50

PR-46 High voltage probe for use with Models 455 and 455A to measure up to 6 KV. Shipping weight, 2 lbs. (Order by Code #19670-34).

19.95

PR-430 High voltage probe for use with Models 455 and 455A to measure 30 KV. Shipping weight, 2 lbs. (Order by Code #19670-33.)

18.90

Carrying Case for Models 455A (Order by Code #3145-388.)

12.50

NEW!










727 FM Stereo Multiplex Generator. Composite audio output includes main channel (L+R) and sub-channel (L-R). Basic audio source is 1000 cycle oscillator switchable to left or right channel. Crystal-controlled 19KC pilot carrier included. RF output at 100MC, adjustable to ± 200 KC. Level fixed at 500 microvolts. Separate 38KC signal available for filter and band-pass alignment. 67KC signal for adjusting SCA trap and filter. Separation of 35db or better. Fully transistorized, choice of portable battery operation or optional AC power supply. Furnished with leads and instruction book. Shipping weight, 7 lbs. Shipped less batteries.

199.95

	MODEL	DESCRIPTION	USER NET PRICE
	725 Shipped from Cleveland	Stereo Standard FM Multiplex Generator. Generates complete composite FM Multiplex signal to FCC specifications. Can be externally modulated with a stereo mike, tape player or record player to demonstrate FM Stereo. Shipping weight, 27 lbs.	\$495.00
	295X Shipped from Cleveland	Microvolt and Crystal-controlled Generator. Provides continuous frequency coverage in 8 bands from 125 KC to 175 MC. Calibrated metered output from 0.1 to 100,000 microvolts. 1% Dial calibration accuracy. Built-in 1 MC crystal standard. Precision step attenuator. Direct reading, vernier tuning. Complete with IMC crystal, 48-inch output cable with 2 connectors. Shipping weight, 47 lbs.	655.00
	288AX	Crystal-controlled, High Output AM-FM Sweep and Marker Generator. A complete alignment instrument with built-in decibel meter, crystal-controlled frequency standard, 8 bands from 35KC to 160 MC FM, 110KC to 110 MC AM. New 35-125KC ultrasonic band. Provides for internal or external amplitude or frequency modulation of RF output. Complete with 100 KC/1000 KC crystals, cable assembly and meter leads. Shipping weight, 33 lbs.	315.00
	615	Sweep and Marker Alignment Generator. For complete TV IF and RF Alignment. Also provides harmonic output on UHF. All electronic sweep with no moving parts. Amplitude modulation less than 0.1db/MC. Complete with leads. Shipping weight, 39 lbs.	359.50
	75	Adapter (Converts 90 ohms unbalanced to 300 ohms balanced). Shipping weight, 2 lbs. (Order by Code #1050-44.)	12.95
	691	Heterodyne Marker-adder. Provides a continuously visible marker (including trap points) that will not alter or distort the receiver's response curve. Functions with any associated marker and sweep equipment that has an output capability of 0.05 volts or more. Complete with leads. Shipping weight, 16 lbs.	129.50
	760 Shipped from Cleveland	Video Scanner. Generates and scans at the 525 line, 60 field 30 frame system. Produces slide pictures for closed circuit television systems. Uses high definition, flying spot scanning method, providing 450 line resolution (5MC band width). Choice of video or RF output. Crystal-controlled Sync Generator. Complete with output cable, pattern slides. Shipping weight, 51 lbs.	455.00
	662 Shipped from Cleveland	Installer's Color TV Generator. Generates ultra-fine dots, crosshatch, vertical bars and horizontal bars. Uses 500-dot system for smallest practical dot and complete screen coverage. Has exclusive crystal-controlled burst phase color bar for checking color circuits, trouble shooting and color alignment. Gun killer facilitates convergence, purity check and chroma alignment. Shipping weight, 15 lbs.	159.95
	CA-62	CRT connector assembly for use with Motorola 23" and RCA 25" color tubes.	15.00

NEW!

MODEL	DESCRIPTION	USER NET PRICE
	656XC Color Bar, White Dot-Bar TV Generator. Produces 100% fully-saturated NTSC approved standard pattern. Provides complete range of signals for chroma alignment, including I, Q, R-Y, G-Y and -(G-Y) demodulation systems. Shipping weight, 45 lbs.	\$549.50
	661 Chrom-Aligner NTSC Color Bar-White Dot Generator. Generates individual 100% saturated color bars to NTSC standards. Provides the following demodulator alignment signals: R-Y, B-Y, -G-Y, G-Y at 90°, RF output on channels 3 or 4. Crystal-controlled chroma and sync. Video output 1.5v p-p across 75 ohms. 110v-60 cycles-20 watts. Complete with leads. Shipping weight, 20 lbs.	349.50
	660 Crystal-controlled White Dot-Bar Color Display Television Generator. All frequencies crystal controlled and locked together, providing stable dots of correct size. Circuitry completely compatible with new design receivers. Lightweight portable for in-the-home servicing. Complete with 2 crystals and instruction book. Shipping weight, 21 lbs.	245.00
	677 Wide-Band Service Technician's Oscilloscope - 5" AC - 5 cps to 4.5MC within 3db. New 1-2-3 circuit approach simplifies peak-to-peak measurements. Pre-set horizontal and vertical sweep positions. Has sharp, bright trace with astigmatic correction. Facilitates detailed observation of TV sync wave forms, including 3.58MC color burst. Furnished complete with detailed application and instruction book and test leads. Shipping weight, 36 lbs.	214.50
	35 Demodulation Probe for signal tracing with Models 677 and 675A. Has amphenol type connector. (Order by Code #3030-96.)	7.75
	34 Demodulation Probe for older Hickok oscilloscopes. Has spade lug connector. (Order by Code #3030-34.) Shipping weight, 2 lbs.	9.95
	TVP-67 Low capacity probe for Model 677. Increases scope impedance to 33 megohms shunted by 9 mmfd. Specify amphenol or spade lug connector.	12.95
	675A Wide-band, high sensitivity 5" DC Oscilloscope. Unique vertical amplifier design shortens rise time by eliminating peaking coils, providing smooth response from 0 (DC) to 4.5MC (within 3db). Assures undistorted reproduction of 3.58MC color TV signals. Astigmatism corrected, 1700v deflection potential provides sharp, bright trace detail. Complete with low-capacity probe, ground lead and instruction book. Shipping weight, 45 lbs.	345.00
	770A 5", Wide-band Industrial and General Purpose Oscilloscope. Calibrated 4MC DC vertical amplifier with 8-step and vernier attenuator. Built-in square wave calibrator. Eighteen direct reading, calibrated sweep rates from 0.5 sec/div to 1 usec/div. Choice of free-running, driven or automatic sweep modes. 5 times sweep magnifier. Flat-faced, post-accelerated CRT. Illuminated, calibrated graticule. Shipping weight, 57 lbs.	585.00

NEW!



MODEL	DESCRIPTION	USER NET PRICE
TVP-1	General Purpose low-capacity probe. Has spade lug type connectors. Shipping weight, 2 lbs. (Order by Code #16970-35).	\$ 21.50



CRYSTALS		
Shipped from Cleveland	Sound Channel Crystals for 610A and 690. (Specify Channel)	17.50
	1.0 MC Crystal for 295X	8.75
	2.5 MC Crystal for 690	7.95
	4.5 MC Crystal for 610A, 680 and 690	7.95
	Special frequencies for 610A, 690, 290X, 295X, are accepted on a non-cancellation basis. Allow 30 days minimum delivery.	Prices on request

MINIMUM BILLING TO ESTABLISHED ACCOUNTS: \$3.50

TERMS: Net 30.

ALL PRICES F. O. B. SHIPPING POINT

All items in this price schedule shipped from Greenwood, Mississippi, unless indicated as "Shipped from Cleveland."

ALL PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

HICKOK

The Hickok Electrical Instrument Co.

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