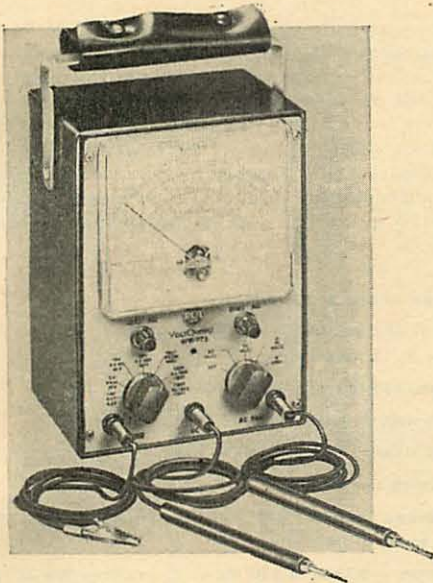


RCA TEST EQUIPMENT
FOR SERVICE, INDUSTRY, SCHOOLS, LABORATORIES



WV-77E VoltOhmyst®
and
WV-77E(K) VoltOhmyst Kit

NOW—at popular prices—here is a new addition to the world-famed RCA Volt-Ohmyst family, and it's available kit or wired!

The WV-77E(K) is extremely easy to assemble! The laminated circuit board is keyed for accurate placement of components—the range switch has only two decks—the single-sheet instructions are the ultimate in clarity!

The WV-77E features flat frequency response $\pm 5\%$ from 40 cps to 5 Mc on the 1.5, 5, and 15-volt rms ranges and the 4, 14, and 40-volt peak-to-peak ranges. The WV-77E measures dc from 0.02 volt to 1500 volts, rms ac from 0.1 volt to 1500 volts, peak-to-peak ac from 0.2 volt to 4000 volts, and resistance from 0.2 ohm to 1000 megohms—all in seven overlapping ranges! Full-scale accuracy is $\pm 3\%$ on dc and $\pm 5\%$ on ac. Meter is electronically protected against burnout. Separate scales are provided for low ac measurements. Input resistance is standard 11 megohms. Width 5", Height 7", Depth 4", Weight 5 lbs.

\$29.95* WV-77E(K) VoltOhmyst Kit
\$49.95* WV-77E VoltOhmyst (Factory-Wired)

**User Price (Optional)*
(Prices for WV-77E(K) and WV-77E include dc probe and cable, ac/ohms probe and cable, ground lead and clip, and instruction booklet. Assembly instruction sheet is provided with the WV-77E(K) VoltOhmyst Kit.)

- NEW—sleeve on handle stores probes and cables
- NEW—fuse in ohms circuit prevents accidental burnout
- NEW—circuit minimizes effect of residual gas in bridge tube
- NEW—color-coded scales for easier, faster readings
- NEW—ultra-slim probes and extra-flexible cables

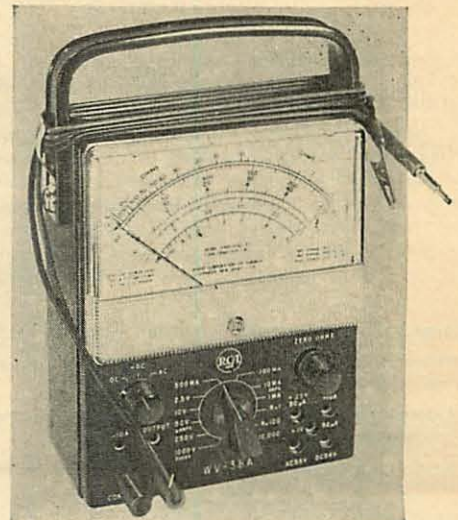
WV-38A(K) VOM KIT and WV-38A
VOLT-OHM-MILLIAMMETER

Never so many valuable features packed into a VOM!
Ohms-divider network fuse-protected. Easier-to-read scales on extra-large 5 1/4 inch meter. Polarity reversal switch. Improved frequency response. Full-wave bridge rectifier. Less circuit loading. Standard dbm ranges. PLUS—modern styling!

Look at these exclusive features you get with the RCA WV-38A!
EXCLUSIVE—extra 1-volt and 0.25-volt (250 mv) ranges permit wide applications in transistor servicing!
EXCLUSIVE—new handle clips accommodate probes and test leads for extra carrying convenience.

PLUS—the WV-38A(K) VOM KIT is extremely easy to assemble! Just mount six components on the front panel, mount all other components on one side of laminated circuit board, put the panel and circuit board together, and slip on the knobs! When properly assembled, the WV-38A(K) incorporates RCA's high standards of excellence in quality, accuracy and performance!

The WV-38A VOM has an input resistance of 20,000 ohms-per-volt on dc and 5,000 ohms-per-volt on ac and an accuracy of $\pm 3\%$ of full scale on dc, $\pm 5\%$ of full scale on ac. Regular scales: 2.5, 10, 50, 250, 1000, 5000 volts, ac and dc; 50 μ amp, 1, 10, 100, 500 ma, 10 amps (dc); plus extra scales of 250 mv and 1-volt (dc)! Frequency response (ac), flat from 10 cps to 50 Kc with usable response at 500 Kc. Ohms—3 ranges—R x 1 (0-2,000 ohms), R x 100 (0-200,000 ohms), R x 10,000 (0-20,000,000 ohms). Dimensions: W 5 1/4" x H 6 3/8" x D 3 3/8".



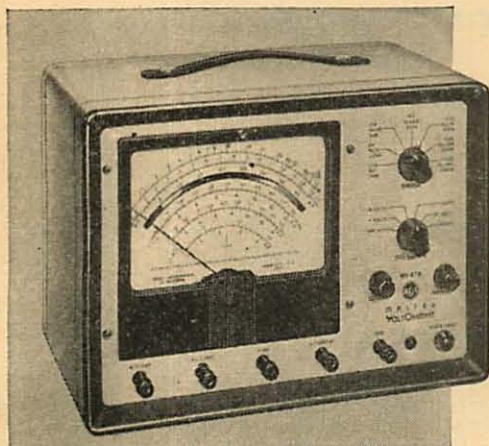
\$31.95* WV-38A(K) VOM Kit
\$43.95* WV-38A Volt-Ohm-Milliammeter

(Prices for the WV-38A(K) and WV-38A include internal batteries, ground lead and clip, positive probe and slip-on alligator clip, and instruction booklet. Assembly instruction sheet is provided with the WV-38A(K) Volt-Ohm-Milliammeter Kit.)

RCA TEST EQUIPMENT
FOR SERVICE, INDUSTRY, SCHOOLS, LABORATORIES

WV-87B

MASTER VoltOhmyst®



\$137.50* complete with probes and cables, including WG-299C DC/AC-Ohms Probe and Cable, current cable, ground cable insulator, instruction booklet.

**User Price (Optional)*

Application: measures dc voltages accurately in high-impedance circuits even with ac present; reads rms values of sine waves and the peak-to-peak value of complex waves or recurrent pulses even in presence of dc. Invaluable for television, radar and other types of pulse work. Has the accuracy and stability necessary for many laboratory applications including a mirror scale. Its large, easy-to-read meter also makes it especially desirable as a permanently mounted instrument in the factory and repair shop.

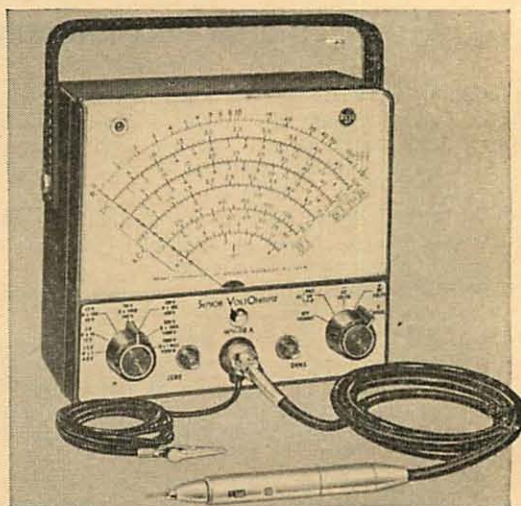
- $\pm 3\%$ accuracy on ac and dc volts.
- Measures resistance from 0.1 ohm to 1000 megohms, current from 10 microamperes to 15 amperes.
- Features $\pm 1\%$ multiplier and shunt resistors.
- Zero-center scale adjustment for discriminator alignment.
- Sensitivity on 1.5 v range — 7.3 megohm/volt.
- DC polarity reversing switch.
- Measures dc Voltage from 0-1500 volts; ac from 0-1500 volts rms; 4200 volts peak-to-peak.
- Frequency Response — 30 cps to 250 Mc using auxiliary WG-301A Crystal-Diode Probe.

WV-98A

SENIOR VoltOhmyst®

Application: provides direct reading of peak-to-peak voltages of complex waveforms found in video, sync and deflection circuits. Includes an improved circuit providing 3% accuracy full scale on both ac and dc measurements with better than 1% tracking error. Separate color-coded, peak-to-peak and rms-voltage scales in two distinctive colors simplify readings. Features die-cast aluminum case; high input resistance; electronic protection against burnout; rugged 200-microampere meter movement; and precision multiplier resistors with accuracy of $\pm 1\%$.

- Large 6½" easy-to-read, full vision meter (26 sq. in.).
- Measures complex waveforms directly from 0.2 volt to 4200 volts peak-to-peak in 7 overlapping ranges.
- Measures rms values of sine waves from 0.1 volt to 1500 volts in 7 overlapping ranges.
- Measures from 0.02 volt to 1500 volts dc on two scales in 7 overlapping "3-to-1" ranges.
- INPUT RESISTANCE — 11 megohms on all dc ranges.
- Measures resistance from 0.2 ohms to 1000 megohms on single scale, with 7 overlapping ranges.
- FREQUENCY RESPONSE — 30 cps to 250 Mc with WG-301A Crystal-Diode Accessory Probe.
- Compact design: 7" wide, 3¼" deep, 6½" high.

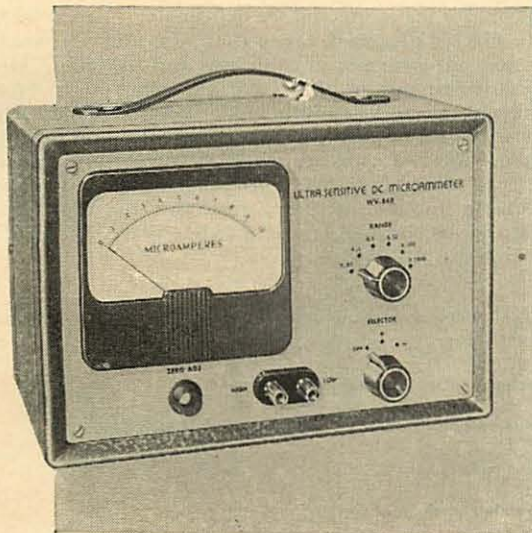


\$79.50* complete with WG-299B DC/AC-Ohms Probe and Cable, ground cable, alligator clip, insulator clip, instruction booklet.

**User Price (Optional)*

RCA TEST EQUIPMENT

FOR SERVICE, INDUSTRY, SCHOOLS, LABORATORIES



\$110.00* includes 50- and 950-megohm multiplier resistors, instruction booklet.
(less batteries)

*User Price (Optional)

WV-84B

ULTRA-SENSITIVE DC MICROAMMETER

Application: a battery-operated vacuum tube microammeter designed for measuring minute direct currents, for making current and voltage measurements in electrolysis and corrosion investigations, and for checking currents in light meters, ultra-violet and infrared detectors, and spectrophotometric devices. Self-contained batteries permit use almost anywhere. Low-drain tubes extend battery life and protect the delicate meter against burnout due to accidental overloads. When used as a voltmeter, it is especially suited to measurements in circuits where loading is a critical factor. Can also be used as an ohmmeter to measure extremely high resistances, such as leakage and insulation resistance.

- Six direct-current ranges for measuring currents from 0.0002 to 1000 microamperes.
- Can be used as ohmmeter to measure resistance in the order of billions of ohms.
- Voltage drop for full-scale deflection only 0.5 volts.
- Input resistance of 100 megohms for measurement of voltages from 0.1 to 1 volt; 1000 megohms input resistance for voltages from 1 to 10 volts, 1005 megohms for voltages from 1 to 100 volts.
- Over-all microammeter accuracy on .01 range $\pm 5\%$ or better; accuracy on all other ranges $\pm 4\%$ or better.
- Size: 7½" x 10½" x 6¼". Weight: 10 lbs. including batteries.

WA-44B

AUDIO SIGNAL GENERATOR

Application: for use in measuring: inter-modulation distortion in amplifiers, amplifier frequency response; frequency response of tone controls; frequency response of phonograph equalizers; input and output impedances of amplifiers; resonant frequency of loudspeakers; and speed of recorder/reproducer mechanisms. Continuously tunable from 11 cps to 100 Kc. Equally useful for: tuning bass-reflex enclosures; determining unknown audio frequencies; determining resonant frequency of LC circuits.

- RC-type oscillator has wide frequency-range — facilitates checking of hi-fi amplifiers.
- Delayed agc circuit insures output uniform with ± 1 db over entire frequency range from 11 cps to 100 Kc. (reference frequency of 100 cps).
- Frequency stability of $\pm 3\%$ or better.
- Separate high and low output terminals 15 V rms max., or 2.5 V rms max.
- Hum level 0.1% of maximum output.
- Voltage regulated oscillator power supply.
- Total harmonic distortion 2% or less from 30 cps to 15 Kc.
- Can be used with high 100,000 or low 1500 ohm impedance circuits.
- Size: 7" x 10½" x 6".
Weight: 10 lbs.

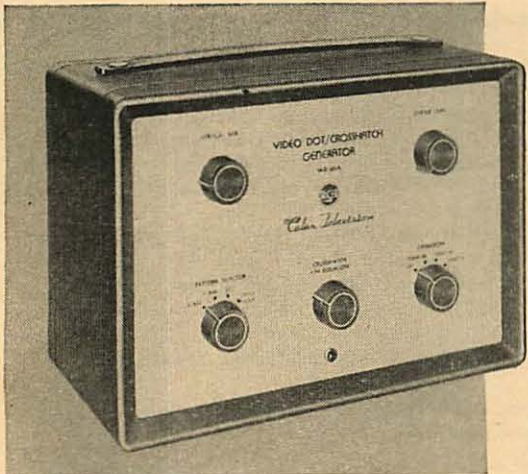


\$107.50* complete with cable, instruction booklet.

*User Price (Optional)

RCA TEST EQUIPMENT
FOR SERVICE, INDUSTRY, SCHOOLS, LABORATORIES

WR-46A
VIDEO DOT/
CROSSHATCH GENERATOR



\$179.50* complete with output cable, sync pickup lead, ground lead and instruction booklet.

**User Price (Optional)*

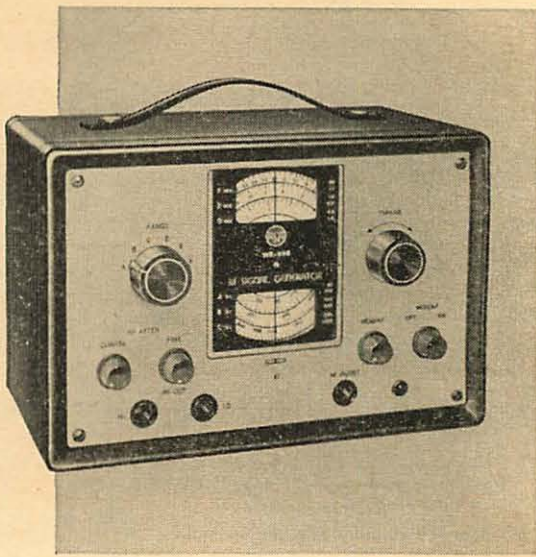
Application: for installing and servicing color TV receivers, the WR-46A is designed for use in dc and dynamic convergence adjustments in color sets and "V" and "H" linearity adjustments in both color and black-and-white TV receivers. Permits simultaneous display of pattern with broadcasting picture in background to assure that convergence adjustments are made at correct horizontal and vertical scanning rates. Vertical sync is frequency divided from horizontal sync, resulting in interlaced scanning and exceptional freedom from "jitter," "crawl" and "sync hunting."

- High level video output continuously adjustable 0-50v — drives picture tube directly.
- Solid pattern — free of crawl and jitter.
- Furnishes dots, "V" and "H" bars, and crosshatch patterns.
- Equalizer control for "V" and "H" bar brightness.
- Output polarity-reversal switch.
- All output cables are dc isolated.
- Size: 10' x 13½' x 8'.
Weight: 17 lbs.

WR-49B RF SIGNAL GENERATOR

Application: for alignment and signal tracing of AM and FM radio receivers, alignment of low-frequency if amplifiers in TV receivers, and signal tracing and troubleshooting in TV receivers. Continuously tunable from 85 Kc to 30 Mc. With the WR-49A you can inject rf signals into plate circuits and other points where dc is present without placing a dc load on circuit under test . . . with protection from burnout in both equipment and signal generator.

- Cathode-follower output stage isolates oscillator from effects of load reactance and resistance, thereby maintaining good output waveform, voltage regulation and frequency stability of the oscillator.
- Functional-design dial facilitates accurate, easy readings.
- Full-length shielding of output cable minimizes radiation and hum pickup.
- Built-in dc blocking capacitors.
- Built-in 400 cycle oscillator for internal or external use.
- Range: 85 Kc to 30 Mc in 6 ranges.
- Maximum output at "hi" connector — .05 volts; at "lo" connector — .01 volts rms.
- Calibration accuracy of Dial — ± 1%.
- Attenuation range — 65 db.
- Percentage of modulation — adjustable to 70%.
- External modulation input available.
- Weight: 8 lbs. Size: 7½' x 10½' x 6".

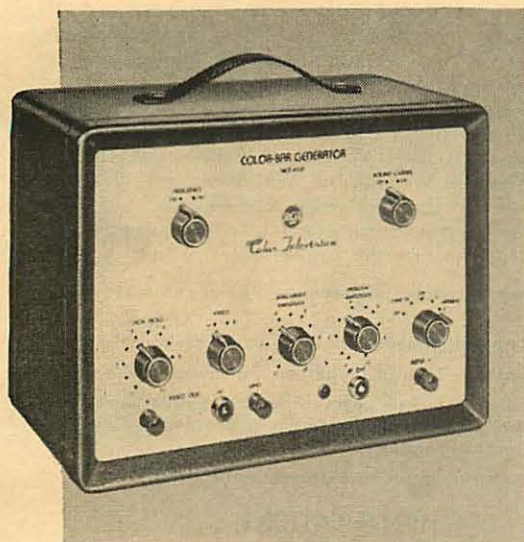


\$79.50* complete with shielded cable for rf or af output, instruction booklet.

**User Price (Optional)*

RCA TEST EQUIPMENT

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\$259.50* includes rf and video output cables, TV-input adapter, instruction booklet.

**User Price (Optional)*

WR-61B COLOR-BAR GENERATOR

Application: for checking overall operation of color TV receivers and for adjusting and trouble-shooting color phasing and matrixing circuits. The WR-61B generates the signals for producing 10 bars of different colors simultaneously, including bars corresponding to the R-Y, B-Y, G-Y, I, and Q signals. The output signal consists of a picture carrier, color subcarrier, sync pulses, and an unmodulated sound carrier. All frequencies crystal controlled for inherent accuracy and stability. Sound carrier can be switched off to check for sound interference. 189-Kc pedestals, adjustable in amplitude, provide luminance-channel information. Luminance signals provided at edge of color bars for checking luminance and chrominance registration.

- Amplitude of color subcarrier and color-burst signal adjustable for checking color sync-lock action of set.
- Both rf and video output available — video output has both "+" and "-" polarity.
- Maximum rf output at least 0.01 volt peak-to-peak; maximum video output at least 0.25 volt peak-to-peak across 75 ohms, 8 volts peak-to-peak at Hi video output.
- Size: 10" x 13½" x 7½".
Shipping weight: 17 lbs.

WR-86A UHF SWEEP GENERATOR

Application: for UHF TV applications from 300 to 950 Mc—combines a wide sweep range with a high output voltage of excellent amplitude linearity. A blanking circuit is included to provide a reference base line on an oscilloscope. Horizontal sweep frequency for the 'scope can be obtained from front panel terminals. The WR-86A has 50-ohm output and will work into a 50-ohm unbalanced load or, with the WG-296 padded balun provided, into a 300-ohm balanced load. Use accessory WG-298A UHF Demodulator for visual observation and measurement of standing-wave ratio of termination on 300-ohm line.

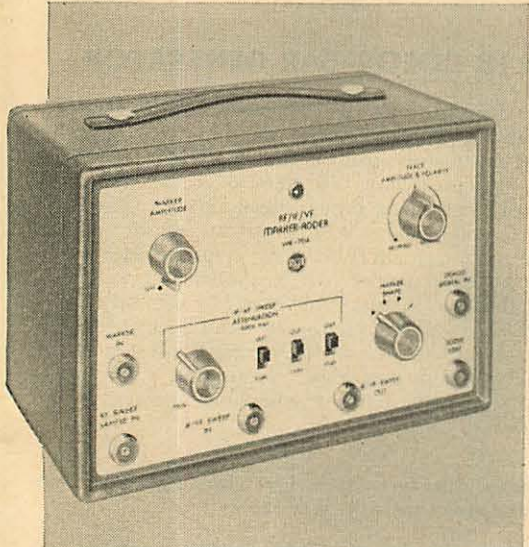
- Output frequency continuously variable on center frequencies of 300 to 950 Mc.
- Sweep width is 10% of indicated dial frequency up to 750 Mc; 75 Mc width from 750 to 950 Mc.
- Adjustable piston-type attenuator gives 60 db range of attenuation.
- A sinusoidal sweep output is provided for an oscilloscope with 150 degrees of phase adjustment.
- At least 0.6 volt output across either 50 ohms or 300 ohms.
- Amplitude variation at maximum sweep width no greater than 0.1 db/Mc.
- Lightweight and portable, attractively styled.
- Weight: 15 lbs.
- Size: 13½" x 9¾" x 7½".



\$137.50* complete with WG-227 RF Output Cable, WG-296 50-to-300 ohm padded balun, instruction booklet.

**User Price (Optional)*

RCA TEST EQUIPMENT
FOR SERVICE, INDUSTRY, SCHOOLS, LABORATORIES



\$97.50* complete with four coaxial cables and instruction booklet.

**User Price (Optional)*

WR-70A RF/IF/VF MARKER ADDER

Application: for rf, if and video sweep alignment of both color and black-and-white TV receivers. Provides sharp, easy-to-read markers for alignment. A choice of four different marker shapes is available, permitting use of marker type best suited to the response curve. Designed for use with conventional marker and sweep generators, such as the RCA WR-39 and WR-89 series marker generators and the WR-59 and WR-69 series TV sweep generators. With the WR-70A, the marker signal is added to the sweep-response curve after the sweep signal is taken out of the receiver under test.

- Eliminates or reduces distortion of sweep curve by the marker.
- Permits trap alignment without marker "suckout."
- Hi-Q markers—high in amplitude, narrow in width.
- Four marker choices—positive peak, negative peak, positive and negative peaks (wide band), positive and negative peaks (narrow band).
- Voltage stabilized for rock-steady trace display.

SPECIFICATIONS

IF/VF sweep input—50 Kc to 50 Mc. RF input—50 Mc to 250 Mc.
MINIMUM INPUT VOLTAGES—IF/VF—0.1 volts rms. RF Sweep sample input—0.005 volts rms. Marker input—0.1 volts rms. Maximum demodulator signal input—8 volts peak-to-peak.
MAXIMUM SIGNAL OUTPUT—Marker signal—2.5 volts rms. Demodulator signal—10 volts peak-to-peak.
 Input and output impedances all 100 ohms except demodulator signal input of 0.5 megohm.
 Weight: 8 lbs. Size: 7½" x 10½" x 6¼".

WR-99A
CRYSTAL-CALIBRATED
MARKER GENERATOR

Application: supplies a fundamental frequency rf carrier of crystal accuracy for use in aligning and troubleshooting TV (color and black-and-white) and FM receivers, and other electronic equipment operating in the range of 19 to 260 Mc. Built-in crystal calibrator, heterodyne detector, amplifier and speaker provides calibrating beats at 1 Mc or 10 Mc intervals throughout entire tuning range which is covered by 8 bands. A built-in 4.5 Mc crystal provides necessary accuracy for alignment of intercarrier-if amplifiers and discriminators.

- At least 0.1 volt output, into 95 ohms terminated.
- Provides signals for adjusting vertical or horizontal linearity.
- Precision matched impedance/resistance pad attenuator, 0-60 db in 5 db steps.
- Special modulation input available for re-transmission.
- Provision for use as Heterodyne Frequency Meter.
- Provides dual markers for band-width checks and rf alignment.
- Triple markers for sound-if alignment and band-width checks.
- Adjustable dial pointer for accurate registration with crystal-calibration check points.

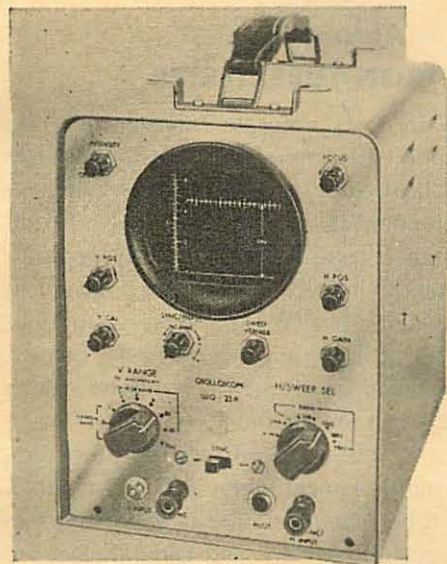


\$242.50* complete with rf output cable, instruction booklet.

**User Price (Optional)*

RCA TEST EQUIPMENT

FOR SERVICE, INDUSTRY, SCHOOLS, LABORATORIES



\$79.95*—WO-33A(K) Oscilloscope Kit

\$129.95*—WO-33A Oscilloscope

(Prices for the WO-33A(K) and WO-33A include Direct/Lo-Cap probe and cable, and instruction booklet. Assembly instruction sheet is provided with the WO-33A(K) 3-inch Oscilloscope Kit.)

*User Price (Optional)

Application: for production and servicing both black-and-white and color TV receivers. Used to measure color burst signals and for trouble-shooting wide-band color circuits, signal tracing and aligning wide-band video amplifiers, and chrominance circuits. A multi-scale graph screen makes peak-to-peak voltage measurements as simple as with a VTVM. **Response:** Wide-band within 3 db from 10 cps to 4.5 Mc; High sensitivity within -1 db from 3 cps to 0.5 Mc; within -6 db to 1.5 Mc. **Sensitivity:** .05 volt peak-to-peak per inch (0.018 volts rms) in high-sensitivity position; 0.15 volt peak-to-peak per inch (0.053 volts rms in wide-band position).

- Voltage-calibrated, frequency-compensated, 3-to-1 step attenuator for "V" amplifier.
- Shielded vertical-input connector and shielded cable minimize hum, stray field pickup.
- Input Resistance—1 megohm shunted by 40 μ f. Lo capacitance position—10 megohm shunted by 12.5 μ f.
- Z-Axis input 12 volts for blanking.
- Preset "V" and "H" sweep positions.
- "Plus" or "Minus" internal-sync selector.
- Positive-lock internal sync.
- Sweep Frequency: 10 cps to 100 Kc.
- Maximum ac Input: 600 volts peak-to-peak.
- Weight: 30 lbs. Size: 13½" x 16½" x 9".

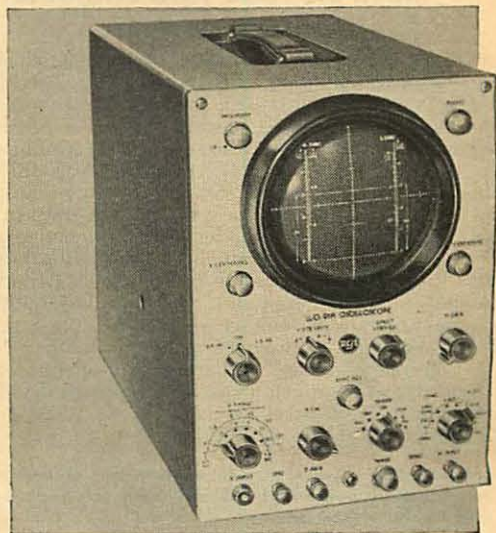
WO-33A(K) OSCILLOSCOPE KIT and WO-33A OSCILLOSCOPE

Higher gain and wider bandwidth for greater value! When you buy a scope—whether in kit form or factory-wired and calibrated—the WO-33A is the scope for you! The WO-33A will give you what you need in gain, bandwidth, transient response, accuracy, versatility, portability—and you can take it with you on the job—anywhere! The WO-33A 3-inch Oscilloscope is the "all purpose" scope! All the bandwidth you need for servicing color-TV, video broadcast monitors and cameras; and for square-wave testing of audio and ultrasonic equipment! All the gain you need for low-level audio work—servicing pickups, microphones, preamps; plus signal-tracing radios, amplifiers—trouble shooting communications signaling systems, ham radio and hi-fi equipment, industrial electronics machinery and many other applications.

With vertical amplifier in narrow-band position, sensitivity is 3 rms millivolts/inch; bandwidth within -3 db, 20 cps to 150 Kc. Wide band position: sensitivity 100 rms millivolts/inch; bandwidth within -3 db, 5.5 cps to 5.5 Mc. Sweep circuit: Sawtooth range from 15 cps to 75 Kc; sync—external, \pm internal; line sweep—160° adjustable phase; sync range—to 4.5 Mc.

- for accuracy—voltage-calibrated frequency-compensated, 3-to-1 step attenuator
- for measurements—scaled graph screen and calibrating voltage source allows direct reading of peak-to-peak voltages
- for stability—"plus-minus" internal sync... holds sync to 4.5 Mc
- for completeness—shielded input cable with low-capacitance probe included
- for portability—compact size—W 6½" x H 8¾" x D 10¼"—weight only 14 lbs. Plus built-in brackets to hold power cord and cables

WO-91A-5" OSCILLOSCOPE

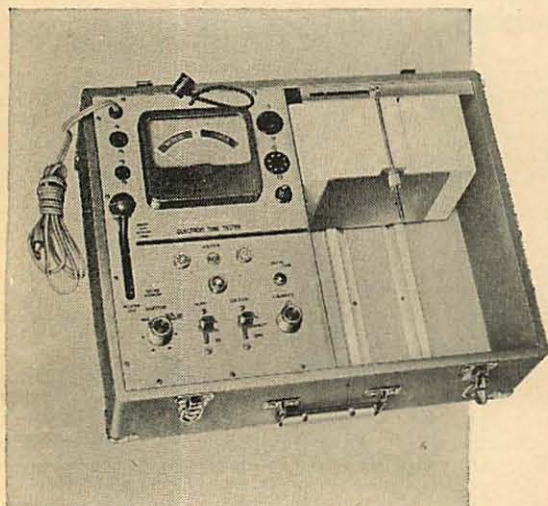


\$239.50* complete with WG-300B two-way Direct/Low-Capacitance Probe and Cable, alligator clip and insulator, ground cable; green graph screen. Instruction booklet.

*User Price (Optional)

RCA TEST EQUIPMENT

FOR SERVICE, INDUSTRY, SCHOOLS, LABORATORIES



\$199.50 complete with 1 set of 239 punched cards, 1 master punch-card, test card, plus 24 additional punched cards, 24 unpunched cards, a card punch and instruction booklets covering card-punching and operation of the tester.

WT-100A Electron-Tube MicroMhoMeter

A precision laboratory measuring instrument which tests tubes under typical operating conditions as specified in the tube manufacturers' technical data manuals. It is particularly useful in production line testing, design and development work, pre-selecting for critical applications, quality control programs, and preventive maintenance. MEASUREMENTS PERFORMED: ac heater current from 0.02 ampere to 5 amperes • dc filament current up to 250 ma • voltage drop across rectifier tubes and semiconductor diodes • transconductance from 10 micromhos to 100,000 micromhos. Within the range of its facilities it will test: vacuum tubes—diodes, triodes, tetrodes, pentodes, heptodes, septodes, octodes, and multi-unit types; gas tubes—thyatron, voltage regulators, cold-cathode and hot cathode rectifiers; in these bases and envelopes—bases with 4, 5, and 6 pins, lock-in, miniature, sub-miniature, pencil and lighthouse; and semi-conductor diodes—small dry-disc rectifiers, germanium and silicon diode types. Size: W 23½" x H 8" x D 18½". Weight: 50 lbs.

- measures transconductance to an accuracy of better than $\pm 3\%$
- accurate measurement of "hybrid" auto receiver tube types under actual operating conditions
- built-in shorts test for any combination of tube elements
- measures transconductance up to 100,000 micromhos in six ranges
- measures both control-grid-to-plate and suppressor-grid-to-plate transconductance
- built-in calibrating circuit—no null meters or extra devices required
- meter completely burnout-proof
- regulated power supplies for dc plate and screen test voltages

WT-110A Automatic ELECTRON-TUBE TESTER

A new approach in fast, accurate tube testing, the WT-110 *Automatic* Electron-Tube Tester utilizes punched cards of heavy-duty plastic for automatic internal set-up of pin connections and test voltages. Complete transconductance test-set-up takes only seconds; cards are permanently hinged in case for convenient insertion into test slot. The WT-110A tests for gas, shorts, interelectrode leakage and over-all tube quality. Quality of tube indicated on "Renew—?—Good" meter scale. Tests 7-pin, 9-pin, octal, and loctal types. Simplified, automatic design speeds testing of diodes, triodes, and other multi-element tubes, as well as double-and-triple section tubes having similar or dissimilar sections. Designed especially for TV and general electron-tube service testing, the WT-110A punch-card system provides for flexibility and easy addition of cards for new tube types. Width 17¼", Height 6⅝", Depth 13¼".

*User Price (Optional)



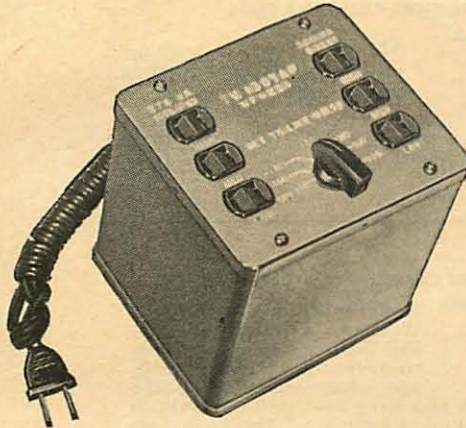
\$1,075.00* Electron-Tube MicroMhoMeter

(complete with 4 multiple-socket plug-in units, instruction booklet, and tube data chart)

• User Price (Optional)

RCA TEST EQUIPMENT

FOR SERVICE, INDUSTRY, SCHOOLS, LABORATORIES

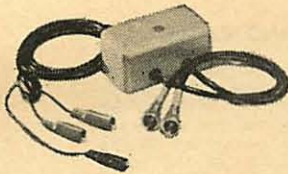


**WP-25A
TV ISOTAP**

Speeds up servicing, prevents damage to test equipment, minimizes shock hazards, cuts down costly returns. The WP-25A may be used as a high-medium-low voltage isolation transformer or as an auto-transformer for testing TV receivers at various settings of line voltage. Supplies outputs of 130, 115 and 105 volts at maximum load

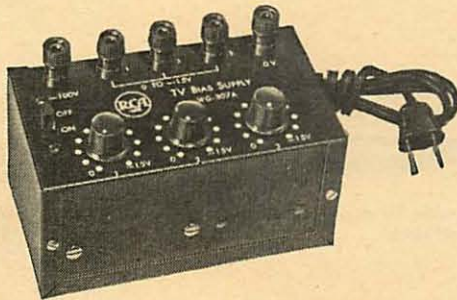
and is tapped to match line voltages from 105 to 130 volts in six steps **\$22.00***

**WG-304B
RF MODULATOR**



An accessory used to check the over-all frequency response of TV receivers from antenna to picture tube grid. The unit permits modulation of an rf marker signal from a marker generator (such as WR-89A or WR-99A) by a signal from a video sweep generator (such as WR-59C or WR-69A).

\$28.50*

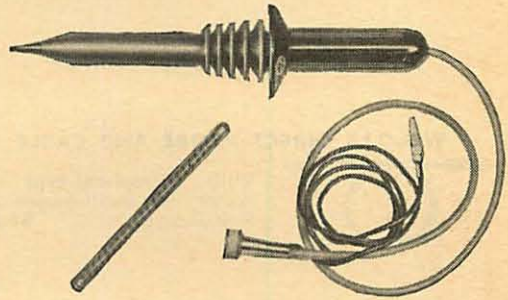


WG-307A TV BIAS SUPPLY

Three fully adjustable 0 to 15V negative, plus a negative 100V nominal for biasing the burst keyer. Size: 2½" x 3" x 5¼"; weight: 22 ounces. **\$22.50***

WG-306B VIDEO-TEST ADAPTER

Designed to simplify trouble-shooting in the video stages of color TV receivers, making it possible to inject video signals from the WR-36A directly into the grid circuit of the video amplifier stages. Designed for use in all sets using either 6CL6 or 12BY7-A tubes in video amplifier stages. **\$4.50***



**WG-289, WG-297
HIGH-VOLTAGE PROBES**

The WG-289 extends the dc-voltage range of the WV-77A, WV-77B, WV-77C, WV-87A, WV-87B, WV-97A, and WV-98A VoltOhmysts to 50,000 volts. The WG-297 extends the range of the WV-77E VoltOhmyst® and the WV-77E(K) VoltOhmyst Kit to 50,000 volts dc. The WG-289 is provided with a microphone-type connector, and the WG-297 is provided with banana-plugs for use with appropriate VoltOhmysts and other VTVM's, VOM's.

A choice of three multiplier resistors is available, enabling these probes to be used with many popular electronic and non-electronic volt-ohm-meters!

WG-206—1090-megohm multiplier resistor for VTVM's having 11-megohm input (multiplying factor 100).

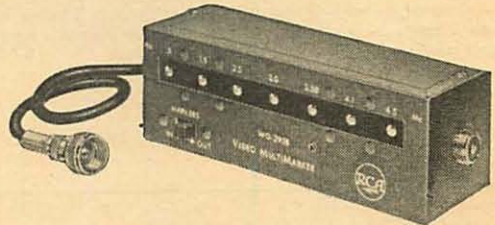
WG-210—900-megohm resistor multiplies 5000-volt dc range of 20,000-ohms-per-volt VOM's by a factor of 10.

WG-211—495-megohm resistor multiplies 250-volt dc range of 20,000-ohms-per-volt VOM's by a factor of 10.

WG-289 or WG-297, Probe Only..... **\$7.15***

WG-206, WG-210, or WG-211,
Multiplier Resistor Only **\$2.80***

*User Price (Optional)



WG-295B VIDEO MULTIMETER

Provides seven simultaneous absorption-type markers at accurately preset frequencies for marking video response curves in color receivers. Markers are at 0.5 Mc (for Q, R-Y, B-Y, G-Y filters), 1.5 Mc (for I filter), 2.5 Mc (for bandpass filter), 3.58 Mc (color subcarrier frequency), 3 and 4.1 Mc (video and bandpass amplifiers), and 4.5 Mc (sound-trap frequency). Each marker is identified simply by touching a corresponding contact on the WG-295B case. This reduces the amplitude of the particular marker. The WG-295B connects between the IF/VF output on the sweep generator and the video output cable. Equipped with shorting switch. With instruction booklet. **\$32.50***

*User Price (Optional)

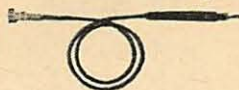
RCA TEST EQUIPMENT ACCESSORIES

WG-218 DIRECT PROBE AND CABLE



With microphone-type connector, for oscilloscopes and VoltOhmysts®. **\$3.75***

WG-299C DC/AC OHMS PROBE AND CABLE



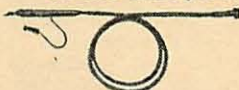
The WG-299C is a single-unit probe for use with VoltOhmysts®. Switch provides instant selection of dc or ac/ohms operation. The WG-299C replaces both the WG-299A & WG-299B. **\$8.75***

WG-222 DC/DIRECT PROBE



"Slip-on" type with built-in 1-megohm isolating resistor and a unique switching facility, making it possible to measure dc or resistance without changing probes. The WG-222 slips on the front of the WG-218 or WG-220. **\$3.50***

WG-300B DIRECT/LOW CAPACITANCE PROBE AND CABLE



Designed for use with the RCA WO-91A, WO-88A and WO-78B 'Scopes. Cable is 48" long, completely shielded from microphone connector to probe tip to minimize hum and stray field pick-up. Built-in switch provides instant selection of direct or low-capacitance operation. Input characteristics: 10 megohms resistance, less than 12.5 μf capacitance in low capacitance position. Includes ground lead and clip. **\$14.25***

WG-264 CRYSTAL-DIODE PROBE



Consists of a germanium diode rectifier and RC network in a plastic housing. It conveniently slips on the direct probe of VoltOhmysts®, such as the WV-97A. RF voltages at frequencies up to 250 Mc may be accurately measured with the WG-264. The ac voltage range extends from 20 millivolts to 20 volts rms; dc voltages up to 250 volts can be present. **\$7.75***

WG-220 DIRECT PROBE AND CABLE



A shielded input cable for use with voltmeters and oscilloscopes. It is fitted with a probe tip at one end and a microphone-type connector at the other. WG-220 is the same electrically as the WG-218, but is fitted with pin-plug tips. **\$3.75*** (WG-218 or WG-220).

WG-302A RF/IF/VF SIGNAL TRACING PROBE



"Slip-on" type high-frequency probe designed for use with the WG-300A and B probe and cable to permit visual signal tracing for rapid isolation of trouble in radio receivers and in television if and video stages. **\$8.50***

WG-291 DEMODULATOR PROBE



Has an input range of 500 Kc to 250 Mc with input capacitance of only 2.25 μf . It separates the modulation from the rf carrier in an amplitude-modulated wave by means of a rectifier and a filter having a short time constant and an output frequency range of 30 to 500 cps. The WG-291 has a maximum input voltage of 20 rms volts and a maximum dc voltage rating of 250 volts. **\$7.95***

WG-301A CRYSTAL-DIODE PROBE



"Slip-on" type for use with the WG-299A, B or C DC/AC Ohms Probe and Cable extending the frequency range of VoltOhmysts® to 250 Mc. **\$7.75***
*User Price (Optional)