# Industrial Test Equipment



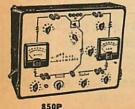


















MODEL 580 INDUSTRIAL AND LABORATORY PORTABLE TUBE TESTER

MODEL 539C INDUSTRIAL AND LABORATORY TUBE TESTER

Portable unit for testing all the latest tubes, including compactrons, novars, 5- and 7-pin nuvistors, and 10-pin types. Tests on new types are complete and accurate: No paralleled elements. Also tests VR tubes and low power thyratrons, "4-digit" types. Voltage regulator tubes are evaluated under actual operating conditions. Includes provision for separate monitoring of plate current. Panel terminals provide access to grid, plate, cathode and heater circuits for direct measurement of voltages and current. Six ranges cover 600 to 60,000 µmhos. Line voltage and grid voltage are metered. Dual leakage readings, either directly on meter or by neon short indicator; sensitivity to 50 megohms. Black leatherette case with lead compartment and detachable lid; 16¾" x 18¾" x 7½" d. Shipping Weight, 35 lbs.

Model 539C Tube Tester—Complete with socket savers. Net Each. \$485.00

MODEL 752A INDUSTRIAL, COMMUNICATIONS PORTABLE TUBE TESTER
Designed for use in maintaining communications equipment and industrial electronic apparatus.
Voltage regulator test circuit tests VR tubes to handbook specifications (including firing point, regulating voltage and current range). Tests all the latest tubes: Compactrons, novars, 5- and 7-pin nuvistors, 10-pin types. All tests are complete—no paralleled elements. Handy-pushbutton test for balanced or matched characteristics on dual-section tubes. Covers 0-1500 to 30,000 mhos in 5 ranges.
Reads interelement leakage directly on meter (sensitivity to 10 megohms). Illuminated meter, roll chart, socket savers and pin straighteners, Black leatherette case with lead compartment and detachable lid; 183% x 163% x 75% d. Shipping Weight, 27 lbs.
Model 752A industrial and Communications Tube Tester—Net Each. \$355.00

MODEL 123R CARDMATIC® AUTOMATIC TUBE TESTER

Laboratory accuracy in a revolutionary card type tube tester. The most accurate portable tube tester available. Code cards make all test settings—test any receiving tube with highest accuracy. All indications are automatic and instantaneous by use of two pushbuttons. Ideal for production line use. Permits special engineering tests to meet any exact tube specifications for special circuit use. Ranges: Gm 500-26,000 mmhos; current, 100 \(\mu\) at 0 510 ma, 55 watts, 105-125 v, 50-60 cps. In black leatherette carrying case, 19\(\frac{1}{2}\subset^w \times 19\(\frac{1}{2}\subset 19\(\frac{1}{2}\su

MODEL 870 DYNAMIC BETA TRANSISTOR TESTER

Variable collector voltage and collector current permit 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 two amperes permits beta measurement on power transistors rated five amperes or more. Ranges (Icho): 0-100 µa, 0-10 ma. Beta Ranges: 0-100, 0-300. Requires 40 watts, 115 v. AC, 60 cps. Black leatherette case 14% x 11½ x 73%. Shipping Weight, 22 lbs.

Model 870 Portable Dynamic Beta Transistor Tester—Complete with roll chart. Net Ea. \$355.00

Model 830 Transistor Tester—Net Each.

MODEL 850P PORTABLE TRANSISTOR ANALYZER

Low-cost, accurate, easy-to-use transistor analyzer that can never become obsolete. Panel selector quickly sets, choice of circuit use conditions. Checks parameters in any of three configurations; common base, common emitter, common collector. Checks power transistors with collector current up to 1 amp. Checks collector leakage, C base or C emitter; beta (current) gain; input and output resistance; power gain; linearity. Battery operated. Black leatherette case with aluminum panel; 16½° x 13½° x 8° d. Shipping Weight, 20 lbs.

Model 850P Portable Transistor Analyzer—Net Each.

\$169.50

## Industrial Test Equipment

MODEL 770A LABORATORY 5-INCH OSCILLOSCOPE

For industrial and laboratory use. Built-in voltage calibrator; choice of recurrent or driven sweep, Wide response vertical amplifier, DC to 5 Mc within 3 db, Narrow band sensitivity, 10 mV/in. rms; rise time, 0.07 µsec. Horizontal amplifier response, DC to 500 kc within 3 db; sensitivity, 75 mV/in. rms. Flat face tube for increased linearity; illuminated, calibrated screen. Size: 12" w. x 18" d. x 14" h. Shipping Weight, 61 lbs, Model 770A Laboratory Oscilloscope—Net Each.

MODEL 677 WIDE BAND 5-INCH OSCILLOSCOPE

AC response, 5 cps to 4.5 Mc within 3 db. Pre-set horizontal and vertical sweep positions. Sharp, bright trace with full astigmatic correction; illuminated, calibrated screen. Vertical sensitivity, 40 mV/in. rms; rise time, 0.08 usec or better, Horizontal response, 5 cps to 350 kc within 3 db; high gain for detailed observation of TV sync waveforms, including color burst. Sweep generator covers 10 cps to 500 kc, with pre-set frequencies of 30 cps to 7875 cps. Size: 9½° w. x 18½° d. x 14° h. Shipping Weight, 36 lbs.

Model 677 Wide Band Oscilloscope—With instruction book and test leads. Net Each...\$199.50

MODEL 675A 5-INCH OSCILLOSCOPE

Late design TV service 'scope covers DC to 4.5 Mc, flat through color burst frequency; 20 mV rms per inch sensitivity. Time base generator with 4 calibrated decade ranges with 10-1 vernier. Frequencies: 10-100 cps, 100-1000 cps, 1-10 kc, 10-100 kc, Portable, Size: 13" x 10" x 16" d. Shipping Wt., 45 lbs.

Model 675A Oscilloscope—Complete with low capacity probe and ground lead. Net Ea...\$299.90

MODEL 209B CAPACITANCE TESTER AND TRUE VACUUM TUBE VOLT-OHM-MILLIAMMETER

Provides eight separate functions, with easy-to-read non-glare black 9' scale. Capacitance measurement as low as 50 pF, high as 2000 µF. Zero center DC voltage position for null balance circuits. Extended range to 200 Mc, 100 mV sensitivity. Power supplies regulated to ±1%. Measures inductance from 50 mH to 100 H with conversion chart. DC Volts: 0-0.1, 0.3, 1, 3, 10, 30, 100, 300, 1000. AC Volts: 0-1, 3, 10, 30, 100, 300. mADC: 0-0.1, 0.3, 1, 3, 10, 30, 100, 300, 1000. Ohms: x1, x10, x100, x1K, x10K, x10K, x10K, x10K, x10K, x10G, x1K, x10K, x10

### MODEL 470A PORTABLE ELECTRONIC VOLT-OHMMETER

MODEL 661 NTSC COLOR BAR-WHITE DOT GENERATOR
Chrom-Aligner generator provides individual 100% saturated color bars to NTSC standards.
Also provides the following demodulator alignment signals: R-Y, B-Y, -G-Y, G-Y at 90° and RF
output on channels 3 or 4. Crystal-controlled chroma and sync. Video output 1.5 V p-p across
75 ohms. With leads. For 110 VAC, 60 cps. Shipping Weight, 20 lbs.
Model 651 Color Bar-White Dot Generator—Net Each.................................\$349-50

MODEL 660 WHITE DOT-BAR COLOR DISPLAY
White line crosshatch, white dot (small size) color display sequence of orange, red, magenta, blue, cyan, green. All frequencies crystal controlled and looked together with extreme stability. Portable. Size: 10½" x 10½" x 5½" d. Shipping Weight, 21 lbs.
Model 660 White Dot-Bar Color Display—Complete with 2 crystals and cable. Net Each. \$245.00

MODEL 725 STEREO STANDARD FM MULTIPLEX GENERATOR
Generates complete composite FM multiplex signal to FCC specifications. Self-contained, requires only an oscilloscope or AC voltmeter for complete stereo alignment. Composite output of L+R, L-R, plus 19 kc pilot carrier. RF output tunable, 92-104 Mc; variable, 2-1000 μV. Separation, 35 db or better. Fully compensated for external modulation including standard pre-emphasis and L-R, L+R delay. Size: 16½" w. x" d. x 13½" h. Shipping Weight, 27 lbs.

Model 725 Stereo Standard FM Multiplex Generator—Net Each......\$495-00

MODEL 295X MICROVOLT AND CRYSTAL-CONTROLLED GENERATOR
Provides continuous frequency coverage in 8 bands, 125 kc to 175 Mc. Calibrated, metered output
from 0.1 to 100,000 microvolts. Dial calibration accuracy, 1%. Built-in 1 Mc crystal. Precision
step attenuator; direct reading, vernier tuning. 90 watts, 105-125 V, 50-400 cps. Steel case, 19" x
12½" x 9". Shipping Weight, 47 lbs.
Model 295X Generator—Complete with crystal; 48" output cable with two connectors.

Not Fach.

HARVEY RADIO CO., I WOODBURY, L. I. AND NEW YORK CITY





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