

HICKOK

Test Instruments

SHORT-FORM CATALOG



HICKOK

the value innovator

INSTRUMENTATION & CONTROLS DIVISION
THE HICKOK ELECTRICAL INSTRUMENT CO.
10514 Dupont Avenue • Cleveland, Ohio 44109

HICKOK

Test Instruments

- for Service, Industry, Education

WIDEBAND OSCILLOSCOPE

LAB QUALITY AND PERFORMANCE ALONG WITH ECONOMY

A lab quality 10 MHz triggered Oscilloscope, the Model 511 combines economy with reliability, ruggedness and advanced solid state circuitry. Provides 10 MHz response with 5 mV/cm sensitivity. Excellent pulse response minimizes overshoot and ringing. Foolproof triggering to 15 MHz. Bright 8 x 10 cm display for easy viewing. X-Y operation for vectorscope measurements. Auto mode triggering provides baseline for recurrent sweep operation and beam finder quickly locates off-scale traces. 12 calibrated verticle ranges and 18 calibrated sweep speeds as well as TV-V, TV-H and TV-VITS sync. Simplified front panel controls are colored coded and convenient for versatile, easy operation in industrial, lab, or service work. Regulated power supply maintains calibration within 0.1% over full line voltage variation. Power Required: 105-125 VAC, 50-400 Hz, 35 watts. Size: 8½" w x 19" d x 10½" h. Wt.: 15 lbs. Combination 10:1/direct probe included. **\$465.00**



Model 511

DUAL-TRACE OSCILLOSCOPE

THE ULTIMATE SIGNAL TRACING INSTRUMENT

Model 512 has all the features of the Model 511 plus the versatility of 4 dual trace modes. Display channel A only, channel B only, alternate A & B, chopped (100 kHz) A & B, or A + B, or A - B. Dual trace allows easy signal comparisons: input vs. output, left vs. right channel, differential amplifiers, phase shift, etc. Simplified color coded controls permits all this flexibility with fiddle-free operation. Power Required: 105-125 VAC, 50-400 Hz, 35 watts. Size: 10½" w x 19" d x 10½" h. Wt.: 17 lbs. With 2 combination 10:1 direct probes. **\$675.00**
June 1, 1976 to January 1, 1977 - Spirit of '76 special \$76.00 off **\$599.00**



Model 512

FUNCTION GENERATOR

SINES, SQUARES, TRIANGLES AND MUCH MORE!

Model 270 provides sine, square, and triangle waves from 1 Hz to 500 kHz in 6 ranges, with both step and variable attenuation, variable DC offset (± 6 V) and 24 V P/P output @ 600 ohm impedance. The Model 270 also has capability (rear panel input) for AM & FM modulation, sweep, ramps, pulses, mixed output, plus FSK and Tone Burst. The 270 has many uses in Audio and TV Service, the test lab, industry, the 2-way radio shops plus experimentors and Hams. Power Required: 105-125 VAC or 210-250 VAC, 50-400 Hz, 10 watts. Size: 8½" w x 4" h x 6" d. Wt.: 4 lbs. **\$185.00**
After June 1, 1976 **\$189.00**



Model 270

DIGITAL MULTIMETER

DIGITAL PRECISION YOU CAN RELY ON

Model 334 is a complete digital measuring instrument backed by Hickok's ten years of digital multimeter experience. It measures AC & DC voltage from 1 mV to 1200 V with up to 0.5% accuracy, current from 1 μ A to 2 Amps and ohms up to 20 megohms - 26 ranges and functions in all. Uses advanced P-MOS IC's and C-MOS logic for lowest parts count and greatest reliability. Fully guarded input takes overloads with no damage. Ohm ranges take full line voltage continuously! Green fluorescent display is easy to read and easy on your eyes. Lab quality at an affordable price. Power Required: 105-125 VAC or 210-250 VAC, 50-400 Hz, 5 watts. Size: 8½" w x 4" h x 6" d (exc. handle). Wt.: 4 lbs. Probe included. **\$229.00**

After June 1, 1976 **\$234.00**



Model 334

CURVE TRACER

WITH UNIQUE INSTA-BETA DISPLAY

The Model 440 is a complete professional curve tracer with several unique user-oriented features such as a pull-out instruction card and INSTA-BETA display that takes the guesswork out of beta and FET parameter measurement. The INSTA-BETA display shows a single I_c/I_b curve for transistors and a single I_d/V_{gs} curve for FET's. The Model 440 also displays normal transistor, diode, and FET curves with up to 100 mA collector current in 5 ranges: up to 100 V collector voltage with 3 steps of horizontal sensitivity; and 11 ranges of base current or gate voltage. Two sets of panel sockets and connectors are included for easy device matching. Power Required: 105-125 VAC or 210-250 VAC, 50-60 Hz. Size: 8½" w x 4½" h x 7½" d. Wt.: 4½ lbs. **\$179.00**



Model 440



Model 215

PORTABLE SEMICONDUCTOR TESTER AS EASY TO USE AS IT IS TO CARRY

Model 215 gives instant GOOD/BAD analysis of NPN's, PNP's, FET's and diodes in or out of circuit. Automatically determines lead configuration and indicates in bright LED displays whether semiconductor is GOOD or BAD. No buttons to push for fast, "no hands" operation. Low power CMOS circuitry extends battery life. Small, compact instrument in a rugged polypropylene case. Powered by 2 standard 9 volt batteries (not included). Size: 3 $\frac{3}{8}$ " w x 5 $\frac{3}{4}$ " d x 1 $\frac{7}{8}$ " h. Wt.: 12 oz. Including E-Z Hook test lead set **\$138.00**

Recharger for use with n. cad batteries — Hickok P/N 20800-421 **\$ 6.25**
Recharger kit including n. cad batteries — Hickok P/N 100-182 **\$ 23.95**



Model 217

BENCH/PORTABLE SEMICONDUCTOR TESTER "HANDS OFF" GOOD/BAD TEST PLUS LEAKAGE TEST

Model 217 performs instant GOOD/BAD test on transistors, diodes, FET's, etc. — in or out of circuit. Automatic "hands off" operation allows connecting to transistor without regard to lead configuration. Digital scanning circuit sequences through all possible lead configurations and indicates BAD if open, shorted, or severely leaky. If good, Model 217 indicates GOOD, device polarity and base lead. Two push buttons control leakage test and Si/Ge identifier (out of circuit only). Logarithmic meter scale reads leakage from 0.1 μ A to 5 mA with leakage indicated for Ge or Si, power or signal devices. AC line/battery operation (requires 2 standard 9 volt batteries) for portable versatility. Includes convenient E-Z Hook lead set and built-in storage area for leads and line cord. Power Required: 105-125 VAC, 50-400 Hz. Size: 8 $\frac{1}{2}$ " w x 4" h x 6" d (exc. handle). Wt.: 4 lbs. **\$159.00**

After June 1, 1976 **\$169.00**



Model 220

SEMICONDUCTOR TESTER HAS BOTH GOOD/BAD TEST AND FULL PARAMETER TEST

Model 220 provides both fast GOOD/BAD test and full parameter tests. In GOOD/BAD mode, operates similar to Model 215 with bright LED displays. Indicates GOOD or BAD and identifies leads and polarity. In PARAMETER Mode, measures transistor beta or FET Transconductance in or out of circuit in 3 ranges. Automatic beta and transconductance calibration for one step operation. Also measures circuit resistances, and performs out of circuit leakage tests. Tests SCR's, UJT's, TRIACS. Hinged cover stores leads and line cord. Power Required: 105-125 VAC, or 210-250 VAC, 50-400 Hz. Size: 8 $\frac{1}{2}$ " w x 7" h x 6" d. Wt.: 6 $\frac{1}{2}$ lbs. **\$325.00**

After June 1, 1976 **\$339.00**

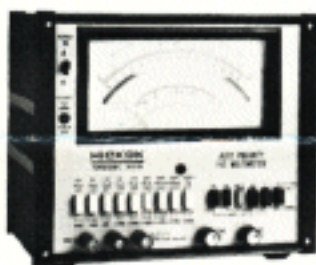


Model 350

POCKET FET MULTIMETER VTVM ACCURACY PLUS AUTO POLARITY

A rugged, compact, precision instrument, the Model 350 features foolproof overload protection, full VTVM type ranges, and 10 M Ω input impedance in a pocket size unit. 9 AC and DC voltage ranges from 0.1 V to 1000 V full scale. 7 HI/LO ohms ranges from 100 Ω to 100 M Ω center scale. Mirrored scale for minimum parallax error. Simplified meter with 3 scales plus dB and battery check. Approx. 1 year battery life in normal usage from 2 standard 9 V batteries (not included). Polypropylene case with integral cover. Size: 3 $\frac{3}{8}$ " w x 5 $\frac{3}{4}$ " d x 1 $\frac{7}{8}$ " h. Wt.: 14 oz. **\$119.00**

After June 1, 1976 **\$125.00**



Model 370

DELUXE AUTO-POLARITY FET MULTIMETER A SOLID STATE VTVM PLUS CAPACITANCE MEASUREMENT

With a 5 $\frac{1}{2}$ " mirrored scale meter, the Model 370 is capable of a wide range of precision measurements. DC and AC Volts: 9 ranges from 0.15 to 1500 V, 10 M Ω input imped., $\pm 2\%$ DC, $\pm 3\%$ AC. DC and AC current: 9 ranges from 0.15 to 1500 mA, $\pm 3\%$ DC, $\pm 4\%$ AC. Ohms: 8 HI/LO ranges from 10 Ω to 100 M Ω center scale, $\pm 3\%$. Capacitance: from 500 pf to 10,000 μ f in 6 ranges, $\pm 3\%$. Rugged overload protection. Power Required: 105-125 VAC or 210-250 VAC, 50-400 Hz, 3 watts. Size: 8 $\frac{1}{2}$ " w x 7" h x 6 $\frac{3}{4}$ " d. Wt.: 4 $\frac{3}{4}$ lbs. **\$189.00**

After June 1, 1976 **\$199.00**



Model 380



Model 385

SEVEN DIGIT AUTORANGING FREQUENCY COUNTER FOUR MODELS COVER EVERY NEED — AUDIO TO UHF

380 Series Frequency Counters are fast, easy-to-use precision instruments with simplified controls and hands-off operation provided by autoranging and auto-decimal circuits. Model 380 offers a guaranteed range of 1 Hz to 80 MHz with 1 Hz resolution, standard built-in 10 ppm time base. SPEED READ mode updates display 5 times per second. AUTO mode updates every 1.1 second below 10 MHz and 5 times/second above 10 MHz. Seven-digit, bright .3" LED display gives double-digit megahertz readings without overranging. Model 385 is the counter for communications and UHF with the same features as Model 380 and more. In addition to the 1 Hz to 80 MHz input, there is a built-in prescaled 10 MHz to 512 MHz input. All four versions have 50 mV sensitivity to 50 MHz through the 80 MHz input and the 385/385X have 50 mV sensitivity to 400 MHz. Provision for an external time base input is standard on 380/385 models. Stability to 1 ppm is available in the 380X and 385X models. Power Required: 105-125 VAC, or 210-250 VAC, 50-400 Hz, 14 watts. Size: 8 $\frac{1}{2}$ " w x 4" h x 6" d. (exc. handle). Wt.: 4 lbs.

Model 380X	\$385.00	Model 380	\$259.00
Model 385X	\$625.00	Model 385	\$499.00
Model SP-6 Combination 10:1/Direct Probe	\$34.95		
After June 1, 1976: Model 380.....	\$269.00	Model 380X	\$395.00

INSTRUMENTS FOR SERVICE TECHNICIANS

DELUXE COLOR BAR GENERATOR

IT DOES EVERYTHING YOU'LL EVER NEED

Model 246, provides 16 stable patterns for testing/aligning color circuits, MOS LSI circuit chip provides low component count, inherent high reliability, and compact size. Chroma level adjustable from 0-200% for bright, sharp, color patterns. Crystal controlled chroma and timing oscillators; RF adjustable, channels 2-4. Adjustable dot size. Gun killers are switch selectable from the front panel, leads and piercing clips provided. Adjustable Video output (± 3 vpp) included for tuner by-passing and closed-circuit servicing. Horizontal and Vertical oscilloscope triggering outputs provided for convenient signal tracing. Power Required: 105-125 VAC, 50-400 Hz. Size: 8½" w x 4" h x 6" d. Wt.: 4 lbs. **\$199.00**
After June 1, 1976 **\$215.00**



Model 246

POCKET COLOR BAR GENERATOR

BENCH INSTRUMENT QUALITY WITH HALF THE SIZE & WEIGHT

A compact, lightweight, portable color bar generator, the Model 239 provides all 9 basic patterns needed for most TV Set up/alignment work. Digital MOS LSI circuit chip develops rock-stable patterns from crystal controlled chroma and timing oscillators. Chroma level adjustable from 0-150%. RF adjustable channels 2-4. Rugged polypropylene case protects instrument in use and in transit. Powered by 2 standard 9 volt batteries (not included). Size: 3¾" w x 5¾" d x 1¾" h.

Wt.: 12 oz. (After June 1, 1976 **\$125.00**) **\$115.00**

Recharger for use with n. cad batteries — Hickok P/N 20800-421 **\$ 6.25**

Recharger kit including n. cad batteries — Hickok P/N 100-182 **\$ 23.95**



Model 239

DYNAMIC EMISSION TUBE TESTER

RUGGED, SOLID STATE, RELIABLE

Model 230 performs cathode emission test under rated load. Tests for all new and old tubes including Nuvisitors, Novars, Magnovals, 10-Pin tubes, and 12-Pin compactrons are contained in data book. Fast 5 step control setup. Unique opens test detects failures others miss. Directly metered H-K and grid leakage tests for accuracy. Lockout switches for each element permits true shorts tests. Reliable solid state design. Lifetime serviceability with easily replaced standard sockets and components. Power Required: 105-125 VAC or 210-250 VAC, 50-400 Hz. Size: 11¼" w x 9½" d x 5¾" h. Wt.: 5¾ lbs. **\$165.00**

After June 1, 1976 **\$175.00**



Model 230

PORTABLE CRT ANALYZER/REJUVENATOR

FAST, EASY TO USE, ACCURATE

Model 265 tests all TV tubes, B&W and Color, including new in-line types. Simplified meter scales and controls for fast but thorough testing in the home or on the bench. Complete with 13 individual socket assemblies for neat, professional test set up on all CRT's. Easy set-up of G1 and automatic set-up of G2 reduces lost time. Fast, sensitive tracking test assures proper gray scale tracking. One-step tests detect shorts or opens. Three rejuvenate levels. Filament protection circuit prevents accidental filament burnouts. All solid state circuitry on rugged glass-epoxy boards. Compact attache style case. Power Required: 105-125 VAC or 210-250 VAC, 50-400 Hz. Size: 11¼" w x 9½" D x 5¾" h. Wt.: 7½ lbs. Including 13 Sockets. **\$277.50**



Model 265

SERVICE TECHNICIANS TUBE TESTER

PORTABLE, HIGH SPEED, TESTS ALL NEW TUBES

High speed service technicians tube tester, Model 6000A tests all new tubes. Instant line adjusts and automatic short indication. Covers 3,000 to 15,000 μ mhos in 3 ranges. Shows gas evaluation. Able to determine the reserve capacity of tubes which could cause trouble in the future. Filament voltage from 0.6 to 117 volts in 19 steps. Complete with removable socket plate that accommodates practically all tubes in use today. (7-pin, octal, local, 7- and 9-pin noval. Novar, Compactron, Nuvisitors, 10-pin "headers".) Interelement leakage registered instantly on 5 neon lamps. Identifying elements involved. Red leatherette portable case. Power Required: 105-125 VAC or 210-250 VAC, 50-400 Hz, 40 watts. Size: 16¾" w x 11¾" d x 7½" h. Wt.: 21 lbs. **\$495.00**



Model 6000A

UNIVERSAL ADAPTER

MODERNIZES YOUR PRESENT TUBE TESTER

Model CA-5 universal adapter for modernizing older Hickok tube testers. Contains sockets for 5- and 7-pin Nuvisitors, Novars, Compactron and 10-pin tubes. Current set-up data included. For use with Models 533A, 539B, 600A, 605A, 750, 752, 800, 1575, 6000, 6005, and Cardmatic testers. Size: 1½" h x 7½" w x 4" d. Wt.: 1½ lbs. **\$85.00**



Model CA-5

**FULL 16-PAGE CATALOG
AVAILABLE ON REQUEST**

Write to Marketing Services Dept.

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