

Test Equipment [] Burglar Fire Alarms [] Hobbyist & Automotive Electronics

'81 EICO CATALOG

The Newest and Best Values in Do-it-Yourself Kits
and Factory Assembled Electronic Equipment



EICO[®]

Laboratory precision
at lowest cost!

meter over-load protected.
Complete with batteries and test
leads. Also see page 18-19.

variable rate speed control. Cube
design. See page 31.

musical beat. 4 frequency
controlled channels. Walnut
grained cabinet 18" x 11" x 7"
(HWD). See page 31.

Assembled

Assembled

With Graticule and Leads for Vectorscope Use!

465 oscilloscope/ vectorscope



- DC to 8 MHz (useable to 10 MHz)
- 5" Flat-Face CRT
- 12 mV rms/cm Sensitivity
- An Accurate Vectorscope

This truly professional 5" scope, with its preset TV-Vertical and TV-H Horizontal sweep positions (30 and 7875 Hz), is ideal for all aspects of color and B & W TV servicing. Push-pull amplification and direct-coupling assure minimum distortion and excellent frequency response (+1 -5 db) from DC to 8 MHz. An accelerating potential of 1400V and a mu-metal neck shield help provide a sharp, bright trace that is free of blooming and unaffected by external fields. A built-in Zener diode calibration source provides a precise and stable square-wave calibration voltage for DC or AC voltage measurements. Drift-free vertical and horizontal positioning as well as distortionless vertical and horizontal trace expansion up to many times the screen diameter are provided. An automatic sync circuit, consisting of limiter and amplifier, insures a stable, steady display, even to 10 MHz, without sync voltage adjustments. Full retrace blanking eliminates confusing background trace. Illumination of the edge-lit calibration grid is variable by means of a potentiometer control. Four overlapping sweep ranges are provided from 10Hz to 100 kHz, in addition to the preset TV-Vertical and TV-H Horizontal positions. The EICO 465 is a complete precision vectorscope supplied with an accurately calibrated graticule and the required interconnecting cables.

SPECIFICATIONS

VERTICAL AMPLIFIER: Frequency response from DC to 8 MHz, +1, -5db (useable to 10 MHz); sensitivity 12 mV RMS/cm (34 mV p-p/cm); input impedance 1 megohm/35 pf; square-wave calibration voltage 200 mV p-p, ±1%. **HORIZONTAL AMPLIFIER:** Frequency response from DC to 1 MHz, +1, -3 db; sensitivity 17 mV rms/cm (48 mV p-p/cm); input impedance 1 Megohm/35 pf. **SWEEP RANGES:** 10-100 Hz, 100-1000 Hz, 1-10 kHz, 10-100 kHz; plus TV-VERT position (30 Hz) and TV HOR position (7875 Hz). Synchronization may be (+) or (-) internal, external, or line frequency. **INTENSITY MODULATION INPUT:** 3V rms blanking; input impedance 2.2 megohms. **VECTORSCOPE:** Negligible horizontal and vertical phase shift. **TUBE COMPLEMENT:** 2 - 6AU8, 2-12BY7, 1-12AZ7, 3-6BL8, 2-silicon diodes, 1-Zener diode, 1 CRT-5DEP. **POWER REQUIREMENTS:** 117VAC, consumption approximately 140 watts. **SIZE (HWD):** 12¼" × 8½" × 17½". **WEIGHT:** 27 lbs.

*Export Model Available.

Kit Assembled

Our Best 'Scope Value. . . An Industry Standard!

460 wideband 5" oscilloscope



- 1 DC - 4.5 MHz Flat Response
- Automatic Sync
- TV-V and TV-H Sweeps

Ideal for color and B & W, TV servicing and production line testing, and excellent for audio and industrial work as well. Push-pull amplification (3 stages) and direct-coupling throughout vertical amplifier. With internal calibration voltage and 4-position frequency-compensated decade attenuator, either DC or peak-to-peak AC (or combination) measurements may be made from 30 mV to 500 V. Instantaneous, drift-free positioning permits centering any part of an expanded trace. Intensity and focus controls, 60 Hz output jack and phasing control, sawtooth (sweep) output jack, intensity modulation (Z axis) input jack, and external capacitor jack for very-low frequency sweeps are all on the front panel. DC balance and astigmatism adjustments are accessible without cabinet removal. Full retrace blanking. Edge-lit calibration grid.

SPECIFICATIONS

VERTICAL AMPLIFIER: Frequency response from DC to 4.5 MHz +1, -3 db (useful to 10 MHz); sensitivity 12 mV rms/cm (30 mV rms/inch); input impedance 3 Megohm/35 pf. **HORIZONTAL AMPLIFIER:** Frequency response from 1 Hz to 600 kHz, +1, -3 db; sensitivity .55 V rms/cm (1.4 V rms/inch); input impedance 5 Megohms/35 pf. **SWEEP RANGES:** 10-100 Hz, 100-1000 Hz, 1-10 kHz, 10-100 kHz; plus EXT CAP position for very low frequency sweeps with external capacitor, TV-V position (30 Hz) and TV-H position (7875 Hz). Synchronization may be (+) or (-) internal, external or line frequency. **POWER REQUIREMENTS:** 117 VAC, approximately 95 watts. **SIZE (HWD):** 13" × 8½" × 16". **WEIGHT:** 25 lbs. *Export Model Available.

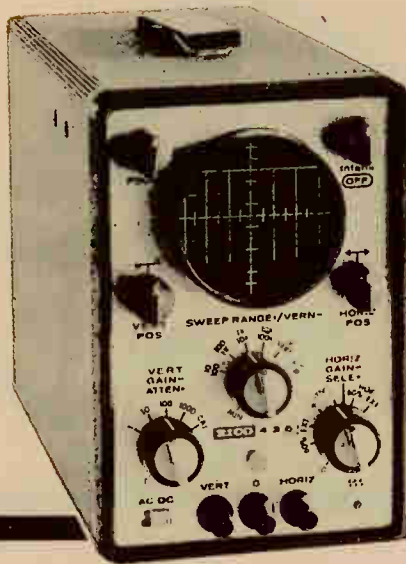
Kit Assembled

scope accessory probes



Lightweight and Portable!

435 wideband dc 3" oscilloscope



- 18 mV rms/cm Sensitivity
- TV-V and TV-H Sweeps
- Zener Diode Calibration
- DC-4, 5 MHz Flat Response

The Model 435 is really portable (1/3 the usual size of 5" scopes), yet provides outstanding facilities and fine performance. Push-pull amplification (3 stages) and direct-coupling throughout the vertical amplifier. With the Zener diode calibration facility and the 4-position frequency-compensated decade attenuator, either DC or peak-to-peak AC (or combination) measurements may be made from 50 mV to 500 V. Clarity and detail are obtained with a sharp and bright trace (1600 V accelerating potential) on a flat-faced CRT: and distortionless V & H trace expansion is provided with drift-free V & H positioning up to many screen diameters. A mu-metal neck shield on the CRT minimizes the effect of external fields. Intensity and focus controls, and sawtooth (sweep) output are provided on the front panel; intensity modulation input is provided at the rear. DC balance and astigmatism adjusts are accessible without cabinet removal. Edge-lit calibration grid.

SPECIFICATIONS

VERTICAL AMPLIFIER: Frequency response from DC to 4.5 MHz, +1, -3 db (useful to 10 MHz); sensitivity 18 mV rms/cm (50 mV p-p/cm); input impedance 1 Megohm/35 pf. **HORIZONTAL AMPLIFIER:** Frequency response from 1 Hz to 500 kHz, +1, -3 db; sensitivity 0.7 V rms/cm; input impedance 4 Megohms/40 pf. **SWEEP RANGES:** 10-1 100 Hz, 100-1000 Hz, 1-10 kHz, 10-100 kHz; plus TV-VERT position (30 Hz) and TV-H HOR position (7875 Hz). Synchronization may be (+) or (-) internal, external or line frequency. **POWER REQUIREMENTS:** 117 VAC, consumption approximately 110 watts. **SIZE (HWD):** 8 1/2" X 5 3/4" X 12 3/4". **WEIGHT:** 18 lbs.

*Export Model Available.

Kit

Assembled

Probes to Add Versatility and Flexibility to Your 'Scope!

PSD 'Scope Demodulator Probe For signal tracing and checking of TV/radio RF and IF stages. Permits scope to be used as waveform tracer, gain analyzer and alignment indicator in all stages. Demodulates AM carriers between 150 kHz and 250 MHz. **Kit Assembled**

PD Direct Probe Use in low frequency or low impedance circuits. Direct Test Probe eliminates stray pick-up and signal re-radiation. **Kit Assembled**

PLC Low Capacity Probe For tracing TV synch signals and general tests in video, sync and sweep circuits. Hi-Z, low capacity probe is useful for waveform tracing in high-impedance, high frequency and wideband circuits (as in TV), without distortion from overloading or frequency discrimination. **Kit Assembled**

Rugged, Sensitive, General-Purpose 'Scope!

427 sensitive dc 5" oscilloscope



- 3.5 mV rms/cm Sensitivity
- Zener Diode Calibration
- Direct V-Plate Connections
- Automatic Sync

A very sensitive, general purpose oscilloscope with the facilities and quality required for service, production, or R & D of audio, communications and industrial equipment. Push-pull amplification (3 stages) and direct coupling throughout vertical amplifier. With Zener diode calibration and 4-position frequency-compensated decade attenuator, either DC or peak-to-peak AC (or combination) measurements may be made from 10 mV to 500 V. The trace is sharp and clean, and free of "blooming." A trace may be expanded to 30 cm vertically and 20 cm horizontally, with instantaneous drift-free positioning to permit centering any part of the expanded trace. Intensity, focus, astigmatism, DC balance controls and sawtooth sweep output are provided on the front panel; intensity modulation input is provided on the rear. Sync is fully automatic on all ranges and modes, with automatic sync limiter and amplifier eliminating sync voltage adjustment. Full retrace blanking.

SPECIFICATIONS

VERTICAL AMPLIFIER: Frequency response from DC to 500 kHz, +1, -3 db (approximately -6 db at 1 MHz); sensitivity 3.5 mV rms/cm (10 mV p-p/cm) input impedance 1 Megohm/30 pf. **HORIZONTAL AMPLIFIER:** Frequency response from 2 Hz to 450 kHz, +1, -3 db; sensitivity 0.18 V rms/cm (0.5 V p-p/cm); input impedance 10 Megohms/40 mmf. **SWEEP RANGES:** 10-100 Hz, 100-1000 Hz, 1-10 kHz, 10-100 kHz. Synchronization may be (+) or (-) internal, external or line frequency. **POWER REQUIREMENTS:** 117 VAC, approximately 55 watts. **SIZE (HWD):** 12 1/2" X 8 1/2" X 16 7/16". **WEIGHT:** 23 lbs.

*Export Model Available.

Kit

Assembled

DLP-6 digital logic probe



Detects pulses as short as 50 nanoseconds. Indicating the logic state of a circuit, the all-new Eico IC Digital Logic Memory Probe provides detection capabilities for pulse durations as short as 50 nanoseconds. Indicator system consists of three light-emitting diodes (LED's). Bottom LED lights for logic 0; top LED lights for logic 1. Center LED comes on to indicate positive or negative going transition. Remains in on state for 200 ns regardless of pulse duration. Memory switch causes stretch LED to remain on permanently after positive or negative pulse occurs. Logic levels can be tested on any DTL or TTL IC system, including calculators, numerical control systems, computers or telephone systems. **Kit Assembled**

Digital Accuracy at Low Cost!

272 digital multimeter



NEW!

- High Accuracy — 0.5% on DC Volts
- Low Price and Factory Assembled
- Large LED Readout — Easy to Read
- Completely Portable — Battery Operated
- Fully Overload Protected — Auto Overload Indication
- Automatic Zero, Automatic Polarity

The EICO 272 is the low-cost multimeter of choice for digital accuracy. All readings are direct on three large bright LED readouts with an accuracy of 0.5 percent of reading on DC volts and 1.0 percent of reading on all other functions. It is not necessary to readjust the zero setting when you change range or interchange the leads for opposite polarity. Both zero setting and polarity indication are fully automatic. Also, when you are measuring a voltage or current that is over the range, an automatic flashing display appears. The DMM is fully protected against overload by means of diodes and a fuse. The industry-standard 10-megohm input impedance provides minimum circuit loading. Battery supply consists of four easy-to-obtain penlite cells and there is a convenient built-in test point for checking the batteries. The attractive low-profile case uses recessed range and mode switches along with recessed test-lead receptacles. Supplied with test leads and batteries.

SPECIFICATIONS

FUNCTION: Measures up to 1000 DC volts, up to 600 AC volts, up to 1000 DC and AC milliamperes, resistance in kilohms. **RANGE:** Four ranges — 1 (.999), 10 (9.99), 100 (99.9), 1000 (999) selected by switching to appropriate position. Decimal point is automatically positioned. Highest range for resistance only is 1000 kilohms or 1 megohm. **READOUT:** Three 0.3 in. LED digits plus negative polarity indicator. **OVERRANGE INDICATION:** Display flashes when input exceeds value of range selected. **POLARITY INDICATION:** (DC volts and DC current) Automatic with minus sign shown for negative polarity. **ACCURACY:** DC volts, $\pm 0.5\%$ of reading. All other functions, $\pm 1\%$ of reading. For all ranges add ± 1 digit to accuracy indicated. **SAMPLING TIME:** 250 ms. **PROTECTION:** Fuse and diode, spare fuse included. **OPERATING TEMPERATURE RANGE:** 0 to 40°C. **POWER SOURCE:** Four AA carbon-zinc or alkaline penlite cells. Jack for AC adapter. **INPUT TERMINALS:** Recessed with polarity indicated. **SIZE (HWD):** 6" \times 3 3/4" \times 1 1/4". **WEIGHT:** 11 oz.

Assembled

Extraordinary Performance and Value!

270 digital multimeter kit



Includes functional tilt stand!

- Flashing Over-Range Indicator
- Auto Polarity, Overload Protected
- 3 1/2 Digits

Featuring 3 1/2 digits, the EICO 270 is a compact, battery-operated DMM that belongs on every test bench and in every field service caddy. It measures AC and DC Volts, AC and DC Current, and Resistance in 21 ranges. Polarity indicators and overload protection are provided, and 0.5 inch LED displays give easiest-to-read digital readout to 9999. The 270 has a basic 0.5% DC accuracy, 10 Megohm input impedance, low voltage drop in all current ranges, automatically-flashing over-range indicator when input exceeds the value of the range selected. Low profile design for ultra-modern appearance. Supplied with test leads and functional tilt stand. (Batteries not included.) Optional AC Adaptor Model BA-27.

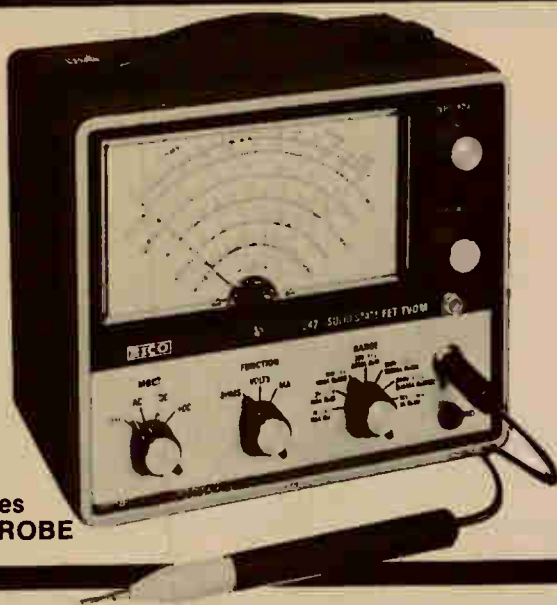
SPECIFICATIONS

FUNCTION: Measures AC and DC volts, AC and DC milliamperes and k Ω . **RANGE:** 4 ranges-2, 20, 200, and 2000 for all functions (additional 20 Megohm range for resistance) selected by switching to the appropriate position. Decimal point automatically positioned. **READOUT:** Four 0.5" LED digits. **OVERRANGE INDICATION:** Display flashes when input exceeds value of range selected. **POLARITY INDICATION** (DC volts and DC current): Automatic; minus sign shown with plus sign implied. **ACCURACY** (Lowest range, other ranges slightly higher): DC volts $\pm 0.3\%$ of reading. AC Volts, AC current $\pm 0.7\%$ of reading $\pm 0.3\%$ of full scale. DC current, resistance 0.5% of reading. For all ranges add ± 1 digit to accuracy indicated. **READING RATE:** 2 1/2 per second on DC and K ohm range. **OPERATING TEMPERATURE RANGE:** 0° to 50°C. **POWER SOURCE:** Four "c" size batteries alkaline, or carbon-zinc with jack for AC adaptor. (Batteries and AC adaptor not supplied). **CURRENT CONSUMPTION:** Less than 100 mA. **BATTERY LIFE:** Better than 50 hours of continuous use with alkaline batteries. **INPUT TERMINALS:** In k Ω mode, polarity of terminals as indicated on front panel. **SIZE (HWD):** 7 1/4" \times 5" \times 2 3/8". **WEIGHT:** 1 1/2 lbs.

Kit only

Deluxe FET-TVOM is AC or Battery Powered!

242 solid state fet-tvom



Includes UNI-PROBE

- Big 6 1/2" Meter Movement for Improved Reading Accuracy
- Measures Resistance in Semiconductor Circuits

The Model 242 solid-state FET-TVOM combines all of the capabilities of the Model 239 with numerous additional features. There is a big 6 1/2" meter for easier, more accurate readings. The added versatility of seven non-skip milliampere ranges and the extremely low voltage ohmmeter which adds convenience and versatility when testing semiconductor circuits. The highly accurate milliammeter section of the EICO Model 242 can be used for both AC and DC measurements from 10 microamperes to one ampere in seven convenient 10 db steps. The precision meter responds to peak-to-peak currents as well as voltages, on the seven AC ranges. However, the meter scale is calibrated to both peak-to-peak and the equivalent sinusoidal RMS voltages and currents for easy interpretation.

The Model 242 also incorporates the time saving single all purpose DC/AC/OHMS/MA Multi-Probe so that you use only one lead for all measurements.

SPECIFICATIONS

Same as Model 239 except for the following: AC & DC Current ranges in MA same as voltages range on 242; OHM METER: Low-voltage type. METER MOVEMENT: 6 1/2" SIZE: (HWD) 7 1/2" X 8 1/2" X 5". WEIGHT: 6 lbs. POWER REQUIREMENTS: 105-1132 volts AC, or 3 NEDA #1604-9-volt batteries and 1 - 1.5 volt size "D" cell; 1.4 VA.

Kit

Assembled

Industry's Lowest-Cost FET-TVOM!

239 solid state fet-tvm



Includes UNI-PROBE

- Compact, portable, battery-operated
- Measures peak-to-peak AC Voltages

Ideal for semiconductor circuit testing, the Model 239 features 1-volt scale for accurate readings as low as 0.05 volts. Provides good indications down to 0.01 volt. Other scales provide accurate readings up to 1000 volts and with high-voltage probe (not included) voltage range can be increased to 30,000 volts. Large, easy-to-read (4 1/2" 200µA) meter, is calibrated in seven ranges of peak-to-peak and equivalent sine wave RMS.

Ohmmeter covers 0.2 to 1000 Megohms in seven steps. Applied voltage is low enough to protect sensitive components, yet high enough to provide accurate testing of diodes and transistors. High stability and accuracy provided by balanced transistor meter circuit and 1% precision resistors. The advanced-design FET input stage provides extremely high input impedance (11 Megohms DC). The FET is fully protected against damage by fast-acting semiconductor and capacitor circuits. Another convenient feature of the Model 239 is the time-saving single probe for all measurements thereby eliminating the tangle of wires usually associated with similar multimeters.

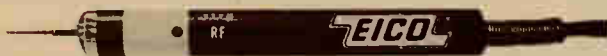
SPECIFICATIONS

AC RMS SINE WAVE AND DC VOLTAGE RANGES: 0-1, 3, 10, 30, 100, 300, 1000 volts; PEAK-TO-PEAK AC VOLTAGE RANGES: 0-2.8, 8.5, 28, 85, 280, 850, 2800 volts; INPUT IMPEDANCE: DC-11 Megohms, AC-1 Megohms; FREQUENCY RESPONSE: 25 Hz to 2 MHz (up to 250 MHz with PRF probe not supplied); OHMMETER: 0.2 ohms to 1000 Megohms in 7 ranges; METER MOVEMENT: 4 1/2" 200 µA movement; POWER REQUIREMENTS: 3 Neda #1604-9 volt batteries and 1-1.5 volt size D cell; SIZE (HWD): 8 1/2" X 5 3/4" X 5"; WEIGHT: 6 lbs.

Kit

Assembled

vtvm accessory probes



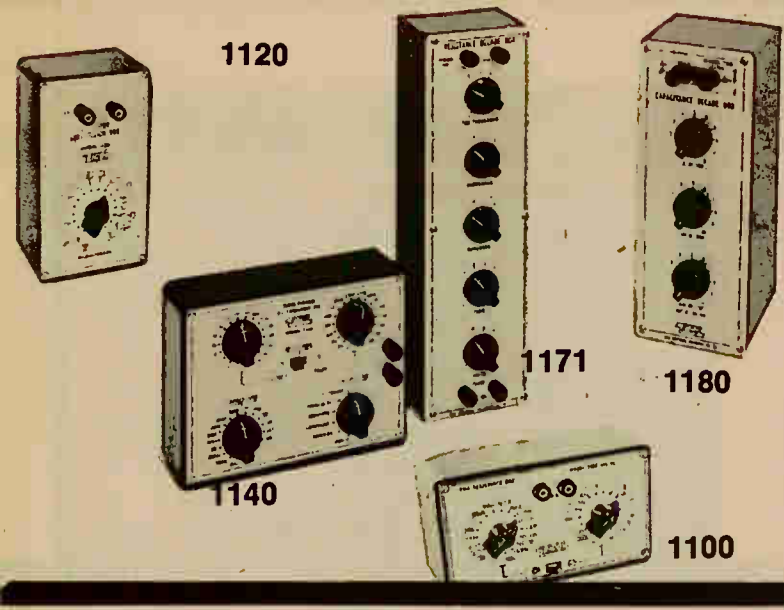
UNI-PROBE UP Performs all functions. A half-turn of the probe tip selects DC or AC-Ohms. Adapts to EICO or other VTVM's in just 15 minutes. Complete instructions supplied. Supplied less isolating resistor or connector. Use 1 Megohm for all EICO VTVM's. EICO VTVM's use MCIF connectors. **Kit Assembled**

RF PROBE PRF-11 For voltage measurements at radio frequencies up to 250 MHz. Useful for measuring TV and radio RF and IF stages. Accuracy ±10%. Use with any 11 Megohm VTVM. Supplied less connector. Use PRF-11 for all EICO VTVM's. **Kit Assembled**

HIGH-VOLTAGE PROBE HVP-2 For safe measurements up to 30,000 volts DC with any 11 Megohm input VTVM, the HVP-2 is the ideal probe. 1090 meg. for 235, 232, 249; Supplied less connector - Use MCIF for EICO VTVM's. **Assembled**

Real Time Savers! A Must for Every Serviceman!

substitution & decade boxes



1100 Resistor Substitution Box

Enables rapid substitution of wide range of EIA resistance values from 15 ohms to 10 megohms in decade multiples of 15, 22, 33, 47, 68, 100 ohms. Uses standard 1-watt, $\pm 10\%$ EIA resistors. Convenient 5-way, jack-top binding posts. Handsome satin aluminum front panel. SIZE (HWD): $3\frac{3}{4}'' \times 6\frac{1}{2}'' \times 3\frac{1}{2}''$. WEIGHT: 2 lbs.

Kit Assembled

1120 Capacitor Substitution Box

Enables rapid substitution of a wide range of EIA capacitance values from 0.0001 to 0.22 mfd. in an operating circuit to determine value needed for optimum performance and to find value of badly damaged or illegible capacitors. Minimum accuracy $\pm 10\%$. Capacitors conservatively rated at 600 volts. Convenient 5-way jack-top binding posts. SIZE (HWD): $3\frac{3}{4}'' \times 6\frac{1}{2}'' \times 3\frac{1}{2}''$. WEIGHT: 2 lbs.

Kit Assembled

1140 Resistor-Capacitor Substitution Box

Provides a means of rapidly substituting a wide range of EIA resistance or capacitance values in a circuit to determine the best value of a badly charred or otherwise illegible resistor or capacitor. You can easily select any resistance alone, any capacitance alone, or any combination of resistance and capacitance in series or parallel (1350 combinations). Open and short circuit positions are provided.

SPECIFICATIONS

RESISTANCE RANGE: 15 ohms to 10 megohms in decade multiples of 15, 22, 33, 47, 68 and 100 ohms. RATED ACCURACY: $\pm 10\%$ at any setting. RATED POWER DISSIPATION: 1 watt at any setting. CONTINUOUS DUTY VOLTAGE RATING: 500 volts. CAPACITORS (MFD): .0001, .00022, .00047, .001, .0015, .0022, .0033, .0047, .0068, .01, .015, .022, .033, .047, .068, .1, .15, .22 VOLTAGE RATINGS: Capacitors .0001 mfd through .00047 mfd: 500 volts, capacitors .001 mfd through .1 mfd: 600 volts, capacitors .015 and .22 mfd: 400 volts; TERMINALS: Fiveway, jacktop binding posts. SIZE (HWD): $6\frac{3}{4}'' \times 5\frac{1}{4}'' \times 2\frac{3}{8}''$. WEIGHT: 3 lbs. Supplied less leads.

Kit Assembled

1171 Decade Resistance Box

Ideal for determining exact resistor values. An instant performance comparison can be made of a circuit using a standard value resistor with the performance of the same circuit when using the ideal value resistor in the EICO 1171.

SPECIFICATIONS

RANGE: 0-99,999 ohms in 5 decades. One ohm steps. CURRENT RATINGS: 350 mA (0-9 ohms) to 2.5 mA (10 Ω to 100 k Ω). SIZE (HWD): $3\frac{1}{2}'' \times 12'' \times 3''$. WEIGHT: 3 lbs. Supplied less leads.

Kit Assembled

1180 Decade Capacitance Box

Useful for rapid experimental determination of exact capacitor values required in a circuit. Precision 1% capacitors, 100 pf to 0.111 mfd, are arranged in three decades in precise 100 pf steps. Each decade has eleven positions, 0 to 10 inclusive so that the decades overlap. The added capacity per step is 0.01 mfd for the largest decade, .001 mfd for the next decade, and .0001 mfd (100 pf) for the smallest decade.

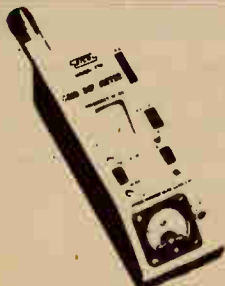
SPECIFICATIONS

VOLTAGE RATING: 500 volts DC continuous. ACCURACY: $\pm 1\%$. SIZE (HWD): $9'' \times 3\frac{1}{2}'' \times 3\frac{1}{2}''$. WEIGHT: 3 lbs. Supplied less leads.

Kit Assembled

New Solid State 9V Battery Operated Design!

710-A grid-dip meter



Invaluable for determining frequency of other oscillators or tuned circuits. With it, transmitters and transceivers can be pre-tuned. Exceptionally stable circuit and diode detector give a better, cleaner "dip" on the easy-to-read meter. Also useable as absorption-type frequency meter. Complete with six numerically coded plug-in coils which cover all broadcast, FM, amateur and TV bands in 8 overlapping ranges.

SPECIFICATIONS

FREQUENCY RANGE: 1.5 to 250 MHz with 6 plug-in coils. METER MOVEMENT: 500 microampere. MODULATION: Approximately 2kHz; sine wave CRYSTAL OSCILLATOR: 1-15 MHz POWER SUPPLY: 9 Volt battery; 006p, or equivalent CURRENT CONSUMPTION: 2mA, Max. SIZE: (HWD) $2'' \times 2\frac{3}{8}'' \times 7''$. WEIGHT: 1.1 lbs.

Assembled

540 appliance/ tester



Designed expressly for "do-it-yourself" home appliance and auto repair - easily finds defects in irons, fans, heaters, TV and radio tubes, batteries, ignition coils, etc. It is an all-in-one MULTI-RANGE AC/DC voltmeter, ammeter, ohmmeter, wattmeter, leakage checker. Extremely versatile, dependable, low in cost. Provides "GOOD-BAD" readings on 6 V and 12 V automobile storage batteries, and permits checking of individual cells.

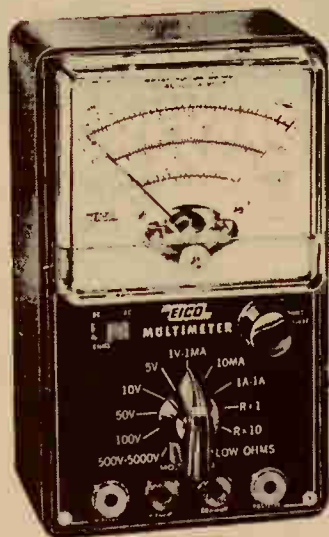
SPECIFICATIONS:

VOLTAGE RANGES: 0-7.5, 15, 150, 300 volts (AC/DC). CURRENT RANGE: 0-15 amps; RESISTANCE RANGE: 0-1000 ohms (direct reading). LEAKAGE TEST: Neon lamp circuit. WEIGHT: 3 lbs. SIZE (HWD): $6\frac{1}{2}'' \times 3\frac{3}{8}'' \times 3\frac{1}{2}''$. Includes leads and batteries.

Kit Assembled

Designed With The Technician in Mind!

536 general purpose vom



- 1000 Ohms Per Volt Sensitivity
- Seven AC/DC Voltage Ranges

The EICO 536 gives you seven full-scale AC/DC ranges, to 5000 volts. One unique feature of the 536 is the 1000 ohm/volt meter with a 0-1 volt full-scale range, making possible accurate, low-voltage readings. For example, on an instrument whose lowest full-scale range is ten, one-half volt will deflect the needle only 1/20th of the scale, but on the 536 the one-half volt will deflect the needle to mid-scale, for a highly-precise reading.

SPECIFICATIONS

AC/DC VOLTAGE RANGES: 0-1, 5, 10, 50, 100, 500, 5000 volts. AC/DC SENSITIVITY: 1000 ohms/volt. AC/DC CURRENT RANGES: 0-1 mA, 10 mA, 0.1 amp, 1 amp. OHMS RANGES: 0-5000 ohms, 100 kilohms, 1 Megohm. DB RANGES: -20 to +69 in 6 ranges. METER: 3" size, 400 microampere movement. SIZE (HWD): 6½" X 3¾" X 2¾". WEIGHT: 3 lbs. Supplied less batteries and leads.

Kit Assembled

570 deluxe multimeter



Low voltage and low current scales make this unit ideal for servicing transistor and integrated circuitry. The large, two-color, mirror-back scales make reading it a snap, and you get seven ranges of DC voltage with polarity reversal at 20,000 ohms per volt and six ranges of AC voltage (both to a maximum

of 5 kV). Dual silicon diodes provide overload protection to guard the meter movement. There are five DC current ranges all the way up to 10 amps, 6 db ranges for audio work, and four resistance ranges to 50 Megohms. The convenient carrying handle also serves to tilt the unit up for use on the bench and "off" position on the selector switch keeps your batteries from running down. The unit comes with test leads and batteries, wired only. You'll wonder how you ever got along without this handy too! Includes batteries and leads.

Assembled

Belongs in Every Tool Kit!

565 portable vom



- 20,000 Ohms Per Volt Sensitivity
- 31 Range, 50 Microvolt Movement

A performance-proven multimeter featuring 20,000 ohms/volt DC sensitivity, the EICO 565 boasts 31 ranges. There are seven accurate DC voltage ranges from 0.25 volt to 5000 volts and -12 db to -55 db. DC current can be measured on five ranges from 50 microamperes to 10 amperes. Resistance is measurable on three ranges to 20 Megohms. Output voltage setting removes DC components when measuring signal voltages. 5% resistors used throughout. Large 4½", 50 microampere meter movement.

SPECIFICATIONS

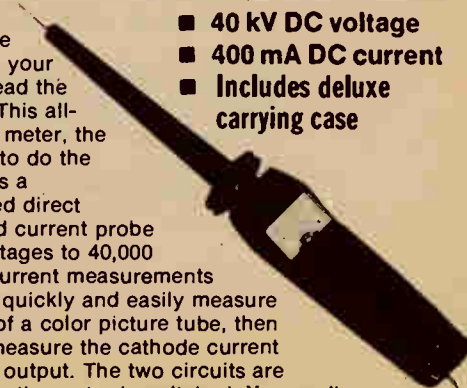
DC VOLTAGE: Ranges 0-2.5, 10, 50, 250, 1000, 5000 volts. Sensitivity 20,000 ohms/volt. AC/OUTPUT VOLTAGE: Ranges 0-2.5, 10, 50, 250, 1000, 5000 volts. Sensitivity 1000 ohms/volt. DC CURRENT: 0-100 ua, 10 mA, 100 mA, 500 mA, 10 amp. DECIBELS: -12 to +55 db in 5 ranges. RESISTANCE: 0-2000 ohms, 0.2 Megohms, 20 Megohms (.2 ohms to 20 Megohms). METER: 4½", 50 microampere movement. SIZE (HWD): 6¾" X 5¼" X 3". WEIGHT: 4 lbs. Supplied less batteries and leads.

Kit Assembled

HVP-5 hi-voltage probe

You'll never have to balance a meter with one hand, hold a test lead in your other hand, and try to read the scale at the same time! This all-in-one unit contains the meter, the probe and it's designed to do the complete job for you! It's a completely self-contained direct reading high voltage and current probe that safely measures voltages to 40,000 volts DC and separate current measurements to 400 mA DC. You can quickly and easily measure the high anode voltage of a color picture tube, then by flipping the switch, measure the cathode current drawn by the horizontal output. The two circuits are completely separate only the meter is switched. You can't damage the probe by putting it in a current position while measuring voltage.

- 40 kV DC voltage
- 400 mA DC current
- Includes deluxe carrying case



Assembled

TRUVOHM® MULTIMETERS

The EICO Truvohm® multimeter line consists of a series of low-cost, high-quality factory-assembled VOMs with a wide range of sensitivities. The deluxe line includes a highly sensitive 100k ohms/volt bench-size multimeter and a clamp-on current tester. The standard line includes six instruments ranging from a simple, inexpensive 1000 ohms/volt meter to a 20,000 ohms/volt mirrored-scale meter. All Truvohm® multimeters are top value for your dollar.

DELUXE LINE

The Best Buy in a Bench-Size Multimeter

100A4 100k ohms/vdc vom

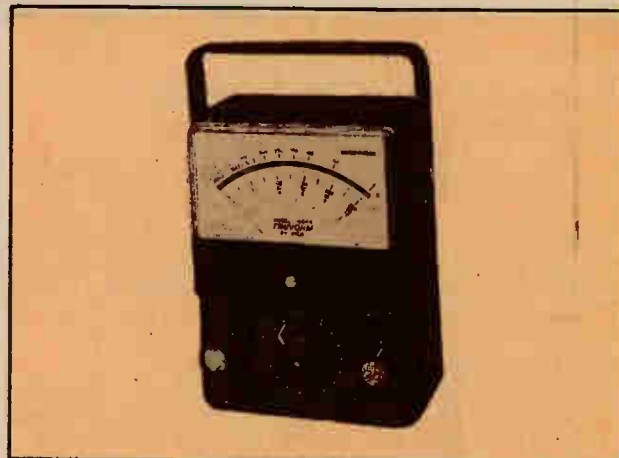
- Meter Overload Protected
- Complete With Batteries and Test Leads
- Optional Carrying Case SLC-1

With DC sensitivity of 100,000 ohms per volt and AC sensitivity of 12,500 ohms per volt, the 100A4 combines extremely minimal circuit loading with functional utility. Silicon diodes prevent accidental overload of meter movement.

SPECIFICATIONS

DC VOLTAGE: 0-500 mV, 2.5, 10, 50, 250, 500 and 1000 volts. AC VOLTAGE: 0-2.5, 10, 50, 100, 250 and 1000 volts. DC CURRENT: 0-10, 250 μ A; 2.5, 25, 250 mA; 10 amp. RESISTANCE: 0-20 k Ω , 200 k Ω ; 2 Megohm; 20 Megohm. DECIBELS: -20 - +62 in 5 ranges. ACCURACY: 2% meter movement. INPUT RESISTANCE: 100,000 ohms/volt DC; 12,500 ohms/volt AC. SIZE (HWD): 7½" X 5¼" X 3¼".

Assembled



Portable AC Voltmeter/AC Ammeter/Ohmmeter

300C clamp-on current tester

- Current Measurements Without Breaking the Circuit
- Reads With No Contact
- Complete With Battery, Test Leads, Carrying Case

Compact, lightweight versatile instrument measures AC current without breaking the circuit. "Clamp-On" insulated jaws snap around single conductor. Meter instantly indicates correct reading. Test leads plug in for voltage and resistance checks. Rotary scale reveals only one range at a time. Pointer lock freezes readings; measure in dark, read in light. Accuracy \pm 3%.

SPECIFICATIONS

MEASUREMENT RANGES: AC CURRENT: 0-6, 15, 60, 150, 300 A. AC VOLTAGE: 0-150, 300, 600 V. RESISTANCE: 0-1000 Ω (center scale: 30 ohms); SIZE (HWD): 7½" X 2¾" X 1½". WEIGHT: 2 lbs.

Assembled



STANDARD LINE

30A4 30k ohms/vdc

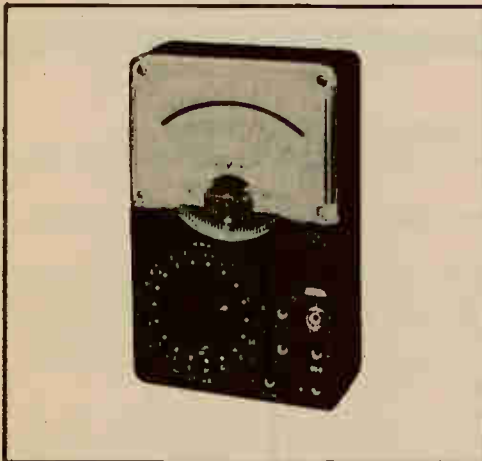
- Meter Overload Protected
- Complete With Batteries and Test Leads
- Optional Carrying Case SCL-3

Laboratory-type, wide range multimeter has a mirror-back scale, $\pm 1\%$ temperature-stabilized resistors, and double-jeweled $\pm 2\%$ D'Arsonval meter movement protected against accidental overload. For minimal circuit loading, has 30,000 ohm/volt DC and 10,000 ohm/volt AC characteristics. Separate input for measuring AC voltages in presence of DC.

SPECIFICATIONS

DC VOLTAGE: 0.06, 3, 12, 60, 300, 600, 1200, 3000 volts. AC VOLTAGE: 0-6, 30, 120, 600, 1200 volts. DC CURRENT: 0-30 μ A; 0-6, 60, 600 mA. RESISTANCE: 0-10 k Ω ; 1, 10, 100 Megohm. DECIBELS: -20 - +63 in 5 ranges. SENSITIVITY: 30,000 ohms/volt DC; 10,000 ohms/volt AC. SIZE (HWD): 5 $\frac{1}{4}$ " X 3 $\frac{3}{16}$ " X 1 $\frac{11}{16}$ ".

Assembled



30A3 30k ohms/vdc

- Meter Overload Protected
- Complete With Batteries And Test Leads
- Optional Carrying Case SCL-2

Has all the professional features of a fine, high-priced multimeter including an anti-parallax mirrorbacked scale, double-jeweled $\pm 2\%$ D'Arsonval meter, $\pm 1\%$ temperature-compensated precision film resistors, and 30,000 ohms/volt DC and 14,000 ohms/volt AC characteristics.

SPECIFICATIONS

DC VOLTAGE: 0-0.6, 3, 12, 60, 300, 1200 V. AC VOLTAGE: 0-12, 60, 300, 1200 V. DC CURRENT: 0-60 μ A; 12, 300 mA. RESISTANCE: 0-10 k Ω ; 1, 10 Megohm. DECIBELS: -10 to +23. ACCURACY: DC $\pm 3\%$, AC $\pm 4\%$ full scale. SENSITIVITY: 30 k ohms/volt DC, 14 k ohms/volt AC. SIZE (HWD): 5 $\frac{1}{4}$ " X 3 $\frac{3}{16}$ " X 1 $\frac{11}{16}$ ".

Assembled



20A4 20k ohms/vdc

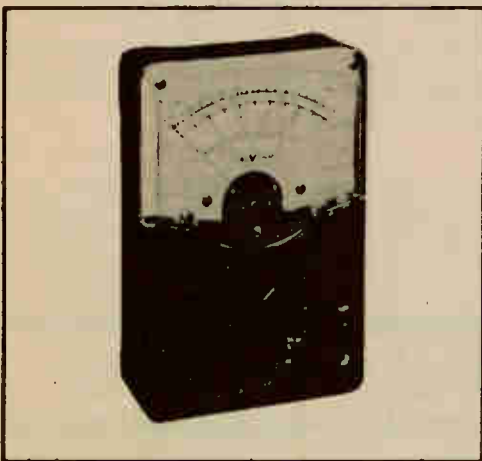
- Complete with Batteries, Test Leads and Carrying Case

Versatile instrument with lever type range selector switch. Read voltage, current and resistance accurately on each of the 18 precise ranges. Easy-to-read 3" meter. The 20,000 ohms/volt DC meter and 10,000 ohms/volt AC section can be used without disturbing most circuits. Read resistance accurately to 60 Megohms.

SPECIFICATIONS

DC VOLTAGE: 0-5, 25, 100, 500, 1000 volts at 20,000 ohms/volt. AC VOLTAGE: 0-5, 25, 100, 500, 1000 volts at 10,000 ohms/volt. DC CURRENT: 0-50 μ A; 0-5, 50, 500 mA. RESISTANCE: 0-6 k Ω , 0-600 k Ω , 0-6 Megohms, 0-60 Megohms. DECIBELS: -20 - +64 db. SIZE (HWD): 4 $\frac{1}{2}$ " X 3" X 1 $\frac{1}{2}$ ".

Assembled



20A3 20k ohms/vdc

- Complete with Batteries and Test Leads
- Optional Carrying Case SCL-2

Packs 16 ranges for measurements in custom-molded, high-impact case. With 20,000 ohms/volt DC and 10,000 ohms/volt AC characteristics, it's ideally practical for general and accurate service. Easy-to-read meter has a rugged, double jeweled D'Arsonval movement.

SPECIFICATIONS

DC VOLTAGE: 0-0.25, 2.5, 10, 50, 250, and 1000 volts. AC VOLTAGE: 0-10, 50, 500, and 1000 volts. DC CURRENT: 0-50 μ A; 25, 250 mA. RESISTANCE: 0-7000 ohms, 700 k Ω , and 7 Megohms. DECIBELS: -10 to +36 db. ACCURACY: DC $\pm 3\%$, AC $\pm 4\%$ full scale. SENSITIVITY: 20,000 ohms/volt DC; 10,000 ohms/volt AC. SIZE (HWD): 5 $\frac{1}{4}$ " X 3 $\frac{3}{16}$ " X 1 $\frac{11}{16}$ ".

Assembled

4A4 4k ohms/vdc

- Complete with Batteries and Test Leads
- Optional Carrying Case SCL-2

This pocket portable is a versatile, general utility instrument. Make readings easily on all 17 ranges. Easy-to-read 3" meter with mirror-back scale. Diode protected. High-impact plastic case.

SPECIFICATIONS

DC VOLTAGE: 0-0.25, 2.5, 10, 50, 250, 500, 1000 volts. AC VOLTAGE: 0-10, 50, 250, 1000 volts. DC CURRENT: 0-250 μ A, 25 mA, 250mA. RESISTANCE: 0-2, 200 k Ω , 2 megohms. DECIBELS: -20 - ± 62 dB. ACCURACY: DC $\pm 3\%$, AC $\pm 4\%$ full scale. SENSITIVITY: 4000 ohms/volt DC, AC. SIZE (HWD): 5" X 3 $\frac{1}{2}$ " X 1-7/6".

Assembled

1A1 1k ohms/vdc

- Complete With Batteries and Test Leads

The go-everywhere shirt pocket instrument for the busy technician/hobbyist. Rugged, double-jeweled D'Arsonval meter and $\pm 1\%$ stabilized resistors are cushioned in high-impact plastic case.

SPECIFICATIONS

DC VOLTAGE: 0-10, 50, 250, 1000 volts. AC VOLTAGE: 0-10, 50, 250, 1000 volts. DC CURRENT: 0-1, 100 mA. RESISTANCE: 0-100 k Ω . SENSITIVITY: 1000 ohms/volt AC and DC. SIZE (HWD): 3 $\frac{1}{2}$ " X 2 $\frac{3}{16}$ " X 1 $\frac{1}{4}$ ".

Assembled

Constant Check of Frequency!

700 frequency counter

NEW!



- Operates Automatically on Transmit
- 10 MHz Crystal Timebase ■ Covers all 40 CB Channels

The EICO 700 offers the accurate (± 1 PPM) digital readout experimenters always needed but could not afford for a hobby. Put this compact Frequency Counter to work in your car or, with an optional power supply, on your test bench. The 700 covers frequencies from 5 Hz to 27 MHz on five, large, bright LED displays. Insertion losses of less than 70 mA enables you to leave this counter permanently in the circuit to give you constant readings of your transmit frequency to three decimal places. Slide switch selects kHz or MHz. In standby mode, only the decimal point is illuminated. Operates through all 40 CB frequencies, uses standard SO-239 connectors and mobile mounting bracket makes installation simple.

For experimenters and audio hobbyists the tool is invaluable, especially for calibrating amplifiers. Unit operates from audio frequencies through the RF range. Can be driven directly with 5 volt TTL signals.

SPECIFICATIONS

INPUT SENSITIVITY: 500 millivolts RMS-DC to 3 MHz, 500 millivolts RMS linearly increasing to 5 volts RMS-3 to 27 MHz. IMPEDANCE: 2,000 ohms at 27 MHz. FREQUENCY RANGE: DC to 27 MHz. DISPLAYS: Five 0.5" LEDs. OVERLOAD: Diode-protected input. ACCURACY: \pm one digit \pm time base stability. READOUT: kHz or MHz. TIME BASE-CRYSTAL FREQUENCY: 10 MHz \pm 10 ppm accuracy, ± 1 ppm stability. POWER REQUIREMENTS: 8-14 V DC at 1.2 amps. BASE STATION: (117 V AC) Use regulated power supply (1.5 amp min.). SIZE (HWD): 2 3/4" x 5 5/16" x 6 1/4". WEIGHT: 1.6 lbs.

Kit Assembled

715 ham/CB tester

Most Versatile Tester
You'll Ever Own!



An essential for amateur or CB radio operators, the EICO "Trans-match" Model 715 is a portable, four function device that tests voltage-standing wave ratio, calibrates, offers two power ranges, a modulation meter and field strength meter. Unit includes a built-in 50-ohm dummy load and a headphone output jack. No electrical connection required to the transmitter, built-in antenna samples transmitted signal with zero insertion loss. This excellent and valuable piece of test equipment helps to take the guesswork out of your transmissions. SIZE (HWD): 5" x 7" x 4". WEIGHT: 4 lbs.

Assembled

Digital Readout Of Time And RPM At A Glance!

CT-10 digital quartz car clock/tachometer



NEW

- Brilliant green fluorescent digital display
- Clock power fail indicator, seconds flash and AM/PM indicator
- Tach reads up to 9900 RPM in 100 RPM increments

Combination full function digital quartz clock and computerized tachometer features large fluorescent digital display. The EICO CT-10 enables you to drive at your car's most fuel-efficient RPM. Improves acceleration by letting you shift your manual transmission at optimum RPM... or adjust your automatic transmission to shift at correct RPM. Reads up to 9900 RPM in 100-RPM increments.

The digital clock has no moving parts... assuring uncommon accuracy and reliability. Displays hours and minutes in boldly illuminated digital numerals. Display light goes out when ignition is turned off but clock runs continuously. Flashing indicator shows clock is operational. Convenient pushbuttons set time.

The EICO CT-10 has a built-in photo sensor for automatic brightness control and is protected against voltage reversals. Simple 3-wire hook-up. For 4, 6 or 8-cylinder cars with 6 or 12-volt negative-ground systems. Operates in cars with electronic ignition, too.

SPECIFICATIONS

DISPLAY: 2-digit for Tachometer, 4-digit for Clock, 0.3" green fluorescent tube. ACCURACY: 3.58 MHz quartz crystal; \pm seconds/month for clock, \pm of reading (± 1 count) for Tachometer. OPERATING TEMPERATURE: -20°C to 85°C . POWER CONSUMPTION: 1.2 W (clock only 0.01 W). POWER SOURCE: +12V D.C. (Negative Ground).

DT-05 digital tachometer

NEW!

- Reads up to 9900 RPM in 100 RPM increments
- Brilliant green fluorescent display
- Internal 3.58 MHz crystal oscillator



This computerized tachometer enables you to drive at your car's most fuel-efficient RPM. Improves acceleration by letting you shift your manual transmission at optimum RPM... or adjust your automatic transmission to shift at correct RPM. Reads up to 9900 RPM in 100-RPM increments. Simple 3-wire hook-up. For 4, 6 or 8-cylinder cars with 6 or 12-volt negative-ground systems. Operates in cars with electronic ignition.

Assembled

Uncommon Accuracy And Reliability!

DC-01 digital quartz car clock

NEW!



- Incredibly precise timekeeper
- Large L.E.D. digital display
- Power fail indicator, seconds flash and AM/PM indicator

Advanced solid-state IC technology eliminates all moving parts... assuring uncommon accuracy and reliability. Displays hours and minutes in boldly illuminated digital numerals. Display light goes out when ignition is turned off but clock runs continuously. Flashing indicator shows clock is operational. Convenient pushbuttons set time. Built-in photo sensor for automatic brightness control. Protected against voltage reversals. Simple 3-wire hook-up. For 4, 6, or 8-cylinder cars with 6 or 12-volt negative-ground systems.

SPECIFICATIONS

DISPLAY: 4-digit, 0.3" red L.E.D. ACCURACY: 3.58 MHz quartz crystal; \pm seconds/month for clock. OPERATING TEMPERATURE: -20°C to 85°C. POWER CONSUMPTION: 0.01 W. POWER SOURCE: +12V DC (Negative Ground).

Assembled

EC-3600 motor speed control kit



EICO 3600 VARASPEED MOTOR SPEED CONTROL

Now you can control the speed of any AC motor from zero to full range continuously. Handles up to 9 amps. Makes any electric motor a constantly-variable speed motor and any motor-driven device a variable-speed device. Comes with custom cabinet and three foot, grounded plug linecord for added safety. SIZE (HWD): 2" X 4" X 6". WEIGHT: 1 lb.

Kit

Learn to Relax!

BW-300 alpha brain-wave monitor



- Professional-Type Biofeedback System
- Five-Microvolt Sensitivity

Alpha brain wave signals, which fall within a narrow frequency range roughly centered about 10 Hz, seem to be closely related to mental states such as meditation, tranquility, relaxation, heightened awareness, and elation. The Model BW-300 allows the user to detect and recognize the presence of these self-generated signals. Continued practice with the Model BW-300 is recognizing the onset and presence of Alpha signals generally facilitates achieving this state both in the amplitude of the monitored signals and their more consistent production, indicating a deeper state of relaxation.

After using the BW-300 you will learn how to relax fully and completely without the unit! The BW-300 is completely safe, simple-to-use, and battery operated. Simply attach the electrodes and put on the earphones. As you do, you will be able to hear your own Alpha brainwave generation in the form of a tone that varies in frequency with your own mental state. Unit comes complete with everything you need including stethoscopic earphone, electrodes headband and contact cream as well as complete instructions.

SPECIFICATIONS

AMPLIFIER: Sensitivity 5 microvolts. POWER: one 9-volt battery (not included). CONTROLS: Volume (with on-off switch), sensitivity. Plug-in jacks for earphone and electrode. SIZE (HWD): 1" X 3 1/2" X 6". WEIGHT: 1/2 lb.

Kit

Assembled

EC-4300 3-channel sound/lite translator kit



Create your own exciting colored light show with this translator. Simply connect the unit to your hi-fi speaker, power amplifier, radio, phono or tape recorder and plug in three different colored floodlights or strings of colored lights (up to 300 watts per channel). The display will change color and pulsate in stereo with the music. Use two for stereo, turn your room lights low, and see the mood created by the music. SIZE (HWD): 2" X 4" X 6". WEIGHT: 1/2 lb.

Kit

An Audio Test Lab in One Instrument!

902 im/harmonic distortion meter & ac vtvm



- High Quality Tuning Capacitor Provides Easy Frequency Setting
- Less Than 0.7 Volt Input Required For Measurements

The EICO 902 is a unique audio test instrument combining IM and harmonic distortion meters and a sensitive AC VTVM and db meter in one compact package.

For harmonic distortion measurement, the EICO 902 incorporates a continuously-variable 20 - 20,000 Hz Wien Bridge rejection filter (in three ranges). For IM distortion measurement, the 902 features a 7 kHz oscillator for the high-frequency source. External low frequency sources up to 400 Hz and high frequency sources down to 2 kHz may be fed to the mixing bridge through panel jacks.

SPECIFICATIONS

IM DISTORTION: LF to HF ratios 4:1 and 1:1. TEST OUTPUT: 0-5 V. ACCURACY: ±5% of full scale. RESIDUAL DISTORTION: 0.05%. HARMONIC DISTORTION: FREQUENCY RANGES: 20-200, 200-2000, 2000-20,000 Hz. INPUT Z: 500 Ω. MINIMUM INPUT: 0.7 V. DISTORTION RANGES: 0.3, 1, 3, 10, 30, 100%. ACCURACY: ±5% of full scale. INTERNAL DISTORTION: 0.1%. AC VTVM: RANGES: .01, .03, 0.1, 0.3, 10, 30, 100, 300 volts RMS. Also, db scale of -20 to +2. INPUT Z: 2 Megohms. FREQUENCY RESPONSE: ±0 db 10 Hz to 100 kHz. ACCURACY: ±4% of full scale. POWER SUPPLY: V-R tube regulated. POWER REQUIREMENTS: 115 VAC, 60 Hz. SIZE (HWD): 12½" × 8½" × 10½". WEIGHT: 22 lbs. EXPORT MODEL: 115 and 230 VAC, 50-60 Hz.

*Export Model Available.

Assembled

379.95

1078 metered ac supply



- 0 to 140 V AC Adjustable Output Voltage
- Separate Output Ammeter and Voltmeter

The Model 1078 is a variable 0-140 Volt AC power supply. The dual-range ammeter and the voltmeter constantly monitor the output. The supply is ideal for use in laboratories or on the production bench, in a quality-control area or a service shop or school. It is perfect for studying equipment performance under varying conditions of load or for exposing component failure by simulating overvoltage conditions.

SPECIFICATIONS

FREQUENCY: 50/60 Hz. INPUT VOLTAGE: 120 VAC. OUTPUT VOLTAGE: 0-140 V AC (30-140 V AC voltmeter). OUTPUT CURRENT: Two ranges 0-2.5, 0-7.5 amperes. METER ACCURACIES: ±3% of full scale. POWER SWITCH: Disconnects unit from both sides of line in off position. LINE CONNECTION: 3-wire cord and plug. LOAD CONNECTION: 3-wire outlet receptacle. SIZE (HWD): 8½" × 5½" × 7". WEIGHT: 16 lbs.

*Export Model Available.

Kit

Assembled

Checks Flybacks and Yokes in Seconds!

944 flyback transformer & yoke tester



- Makes Tests In or Out of Set
- Positive Answers in Seconds

Now you can make one of the most difficult TV servicing jobs a breeze. Here's fast, positive testing of flybacks and yokes, in or out of the set at lowest cost!

The 944 Flyback Transformer and Yoke Tester gives you positive checks on flybacks and yokes in mere seconds. Operation is based on the extremely sensitive grid dip principle which shows up even one shorted turn. Exclusive separate calibration for air core and iron core flybacks and yokes assures accuracy. The large, easy-to-read 4½" meter has three separate colored scales. Continuity of coils, speakers, switches can also be checked. SIZE (HWD): 7" × 5" × 4". WEIGHT: 5 lbs.

SPECIFICATIONS

OSCILLATOR FREQUENCY: Approx. 600 Hz Interrupted 60 times per second. TEST VOLTAGE: 100 rms V (short test), 60 rms V (continuity test). METER: 4½" 50 ua 2000 ohm. Color-coded scale: Short test, continuity test, 0 - 100 linear reference. POWER REQUIREMENTS: 115 VAC, 50/60 Hz. SIZE (HWD): 7" × 5" × 4". WEIGHT: 5 lbs.

*Export Model Available.

Kit

Assembled

1040 filtered power supply



- Plays all 12-VDC Tape Decks, AM/FM Radios
- Serves As A Battery-Less 12 Volt DC Source

Plug the Model 1040 into any 120 VAC line and you can bring all your 12-volt DC mobile equipment into the house for added pleasure! Your CB radio, automotive tape deck, car stereo system, even HAM equipment. It can also serve as a charger for all 12-

volt batteries, works equally well with boats and cars. Input is 120 VAC, 50-60 Hz; output is 12 V DC at 4.0 amperes continuous, 5.0 ampere surge.

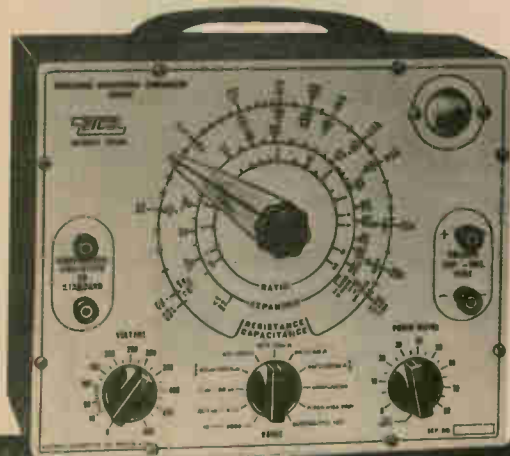
SPECIFICATIONS

FREQUENCY: 50/60 Hz. INPUT VOLTAGE: 120 V AC. OUTPUT VOLTAGE: 12 V DC at 4 amperes. OUTPUT CURRENT: 4 amp continuous at rated voltage, 5 amp surge. SIZE (HWD): 4½" × 4½" × 6". WEIGHT: 2½ lbs.

Assembled

A "Must" For Service Shops and Labs!

950 RC bridge & rcl comparator



- **Comparator Range allows the Use of Complementary Components as Standards**
- **Continuously Variable Polarizing Leakage Test Voltage From 0-500 VDC**

A versatile and truly useful service instrument for direct measurement of capacity or resistance over a wide range of values. For leakage testing of electrolytics, a continuously variable polarizing test voltage from 0 to 500 VDC is provided. Bridge balance and leakage are indicated by magic-eye tube. The bridge provides 4 capacitance ranges from 10 μf to 5000 μf . A comparator range permits comparison measurement of capacitance, resistance or inductance against a standard. Power supply is transformer operated.

No computations or involved formulas are required, as all readings are taken directly from the unique panel indicator. Accurate readings are assured by use of the magic eye indicator. This laboratory-grade instrument belongs in every service shop.

SPECIFICATIONS

CAPACITY: 4 ranges, 10 μf to 5000 μf . RESISTANCE: 4 ranges, 0.5 ohms to 500 Megohms. COMPARATOR: 1 range, ratio from .05 to 20 (400 to 1). DC POLARIZING VOLTAGE: 0 to 500 volts DC (continuously variable) $\pm 10\%$. TUBE COMPLEMENT: 1-1629, 1-6X5. POWER REQUIREMENTS: 117 volts AC, 60 Hz. SIZE (HWD): 8" X 10" X 4 1/2". WEIGHT: 8 lbs. Optional test leads available. *Export Model Available.

Kit Assembled

1043 regulated power supply



- **Converts 115 V AC to 13.6 V DC (± 0.5 volts)**
- **IC Regulated (Less Than 2% Regulation Line and Load)**

Now you can enjoy your CB transceiver, car stereo or tape player in your own home with absolutely no "hum" or ripple! It is regulated by integrated circuits for 13.6 volts at 2.2 amps of direct current. Featured is a special foldback current limiting circuit that holds

the short circuit current to approximately 1 A. Additional protection is afforded by line fusing.

SPECIFICATIONS

FREQUENCY: 50/60 Hz. INPUT VOLTAGE: 120 V AC. OUTPUT VOLTAGE: 13.6 V DC at 2.2 A. CURRENT PROTECTION: Current in excess of 3/4 amps limited to approx. 1 A. SIZE (HWD): 4 1/2" X 4 1/2" X 8". WEIGHT: 3 lbs.

Assembled

Tests Capacitors In or Out of Circuit!

955 in circuit bridge-type capacitor tester



- **Wien Bridge With Unique Shunt Resistance Balancing Circuit**
- **Capacity Accuracy of $\pm 10\%$ at Any Point on The Capacity Dial**

A truly advanced, highly dependable in-circuit and out-of-circuit capacitor tester. Provides extraordinarily sensitive open and short tests. A Wien Bridge with unique shunt resistance balancing provision permits in-circuit capacity measurements even when the shunting resistance is comparatively low. Measures capacitors in or out of circuit, without unsoldering, between 0.1 mf and 50 mf. Checks for shorts and open circuits. Measures RC product, convertible into dissipation or power factor. Line adjust control provides maximum sensitivity regardless of line voltage variations. Exceptionally attractive unit with professional laboratory styling. Transformer operated and protected by fuse in extractor-post mount. Only one co-ax type test lead required for all tests.

SPECIFICATIONS

CAPACITY MEASUREMENTS: 0.1 to 50 mf with 10% accuracy. SHORT TEST: Reliable up to 2000 mf with shunt resistance as low as 1 ohm. OPEN TEST: Checks capacitors as small as 15 mmf with normal adjustments, down to 5 mmf with constant voltage and internal adjustment. POWER REQUIREMENTS: 105-130 VAC, 60 Hz, 8 watts. SIZE (HWD): 8 1/2" X 5 1/4" X 6". WEIGHT: 6 lbs. *Export Model Available.

Kit Assembled

1045 regulated power supply



- **Provides High-Current Capability to Power Most Automotive Equipment**
- **Operates With Minimum Ripple, Even Under Heavy Loads**

The EICO Model 1045 Power Supply plugs into your wall outlet and converts the 120 volt alternating current to 13.6 volts direct current of 6.0 amperes, more than enough to handle the most draining of your car's electronic or audio equipment! As a servicing aid on the test bench, it's a necessity.

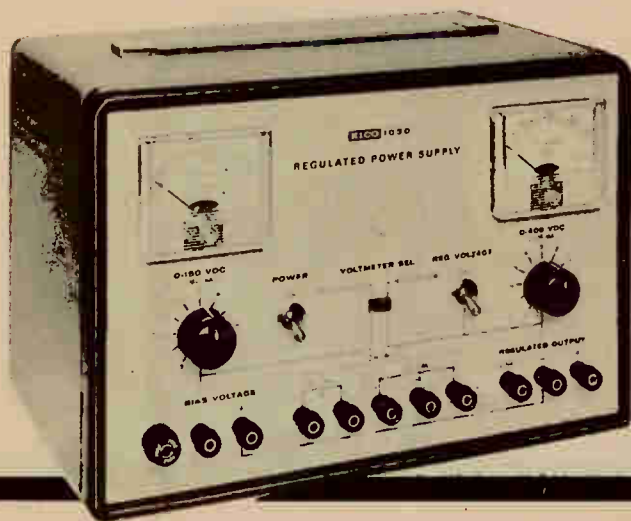
SPECIFICATIONS

FREQUENCY: 50/60 Hz. INPUT VOLTAGE: 120 V AC. OUTPUT VOLTAGE: 13.6 V DC. OUTPUT CURRENT: 6.0 amps. SIZE (HWD): 4 1/2" X 5" X 8". WEIGHT: 5 lbs.

Assembled

Independent, Regulated, Variable DC Supplies

1030 regulated power supply



- Regulated B+ Continuously Variable 0-400 V DC
- Regulated Bias Supply Continuously Variable 0 to -150 V DC
- Both 6.3 and 12.6 V AC Filament Supplies

A reliable and versatile double power supply that can simultaneously deliver any regulated B+ or regulated bias voltage required for circuit design, production testing, workbench or school experiments.

The EICO 1030 delivers exactly the voltage needed to test any circuit, while simultaneously monitoring both voltage and current used by the circuit being tested.

SPECIFICATIONS

REGULATED B+, 0-400 V DC continuously variable; 0-100 mA continuous from 0-200 V DC, 0-125 mA intermittent from 0-200 V DC, 0-150 mA continuous from 200-400 V DC. LOAD REGULATION: Varies less than 1/3% or 0.3 V (whichever is greater) from 0-100 mA. LINE REGULATION: Varies less than 0.4% or 0.5 V (whichever is greater) for a ± 10 V line variation. RIPPLE: Less than 3 mV RMS. OUTPUT IMPEDANCE: Less than 10 ohms from DC to 1 MHz. REGULATED BIAS SUPPLY: 0 to 150 V DC continuously variable. CURRENT RANGE: 0-2 mA. LINE REGULATION: Varies less than 0.4% or 0.5 V (whichever is greater) for ± 10 V line variation. RIPPLE: Less than 3 mV RMS. AC FILAMENT SUPPLIES: 6.3 V AC at 3 amperes, and 6.3 V AC at 3 amperes center tapped; 12.6 V AC at 3 amperes by series connection of the two 6.3 V AC windings; and 6.3 V AC at 6 amperes by parallel connection of the two 6.3 V AC windings. METERING: Double-jeweled D'Arsonval Meters: Voltmeter with switched ranges of 0-400 V DC (regulated B+) and 0-200 V DC (regulated bias supply); milliammeter with 0-200 mA scale for monitoring the regulated B+ supply. POWER REQUIREMENTS: 120 V AC, 50/60 Hz, approximately 160 watts. SIZE (HWD): 8 1/2" x 12 1/2" x 9". WEIGHT: 12 lbs.

Kit

Assembled

With Extra-Low Ripple!

1064 battery eliminator and charger



- Automatic Switching of Ammeter Range as Voltage Ranges Are Selected
- Two DC Voltage Ranges: 0-8 Volts And 0-16 Volts
- Simultaneous Monitoring of Both Voltage and Current

This supply delivers the smooth, undistorted DC necessary for servicing transistorized equipment or for any application where minimum ripple is mandatory. The extra-low ripple output is achieved through the use of a special L-C filter circuit consisting of a very heavy-duty iron choke and a dual 5000 mF, 20-volt electrolytic filter capacitor. The ability of this circuit to handle the full continuous as well as the higher rated intermittent current output of the instrument, without overloading or danger of burnout - on both current ranges - ensures that the many advantages of its highly filtered DC output are available for all conceivable applications. A fused primary and a re-set overload relay on the secondary add to the durability and safety of the 1064. Among the 1064's applications are charging 6 or 12-volt storage batteries and simulating various battery operating voltages. The 1064 also serves well for marine purposes, operating boat lights, radio-phones, amplifiers, transmitters, bilge pump and other electrical utility units while at dockside, eliminating the need for installing a costly secondary AC lighting system.

SPECIFICATIONS

DC OUTPUT VOLTAGE RANGES: (Range selected by 6 - 12 V toggle switch) 0-8 volts, 0-16 volts. CURRENT RATINGS: 0-8 volt range: 10 amps continuous, 20 amps intermittent; 0-16 volt range: 6 amps continuous, 10 amps intermittent. AC RIPPLE: 0-16 volts range: 0.3% at 2 amps, 1% at 6 amps, 1.5% at 10 amps; 0-8 volt range: 1.5% at 2 amps, 2% at 6 amps, 4.5% at 10 amps. METERS: Voltmeter 0-20 volts. Ammeter 0-10, 0-20 amps. POWER REQUIREMENTS: 117 volts AC, 60 Hz; 150 watts. SIZE (HWD): 8 1/2" x 5 1/2" x 7 1/2". WEIGHT: 16 lbs.

Kit

Assembled

1060 battery eliminator and charger



- Ideal For Servicing And Powering 6 or 12 Volt Mobile And Marine Equipment

A versatile battery eliminator incorporating an extra low-ripple filter circuit. Important exclusive features include automatic switching of ammeter range as you select either of the two voltage ranges (0-8 and 0-16 volts), continuous voltage adjustment with a variac-type transformer, heavy-duty silicon rectifiers, a fused primary and a secondary and automatic re-set overload relay.

SPECIFICATIONS

DC OUTPUT VOLTAGE RANGES: 0-8 volts, 0-16 volts. AC RIPPLE: 12 V range-0.3% at 2 amps, 1.5% at 10 amps; 6 V range-1.5% at 2 amps, 4.5% at 10 amps. CURRENT RATINGS: 0-8 volt range: 10 amps continuous, 20 amps intermittent. 0-16 volt range: 6 amps continuous, 10 amps intermittent. METERS: Voltmeter-0-20 volts. Ammeter-0-10, 0-20 amps. POWER REQUIREMENTS: 105-125 volts 60 Hz, 150 watts. SIZE (HWD): 8 1/4" x 10 1/2" x 7 3/4". WEIGHT: 18 lbs.

Kit

Assembled

Operate AC Appliances from Car or Boat Battery!

1080 220-watt charger/ inverter



- Operate AC Appliances from Car or Boat Battery
- Portable Power for PA System and Ham Gear
- Does Double Duty as Battery Charger

With 220 watts of power, you can operate many AC operated units from your car or boat battery! Radio, phonograph, CB equipment suddenly becomes mobile when you use the EICO Model 1080. On field trips or family picnics, the 1080 provides a 117 V AC supply for public address systems, for ham equipment, etc. Then, simply flip the switch and the 1080 does double duty as a battery charger. Plug the line cord into any 117 V AC supply, and recharge your car or boat battery! You can use dockside AC or the AC in your home or garage. As a battery charger, the 1080 is rated at 5 amps. It automatically tapers the current to prevent overcharging.

SPECIFICATIONS

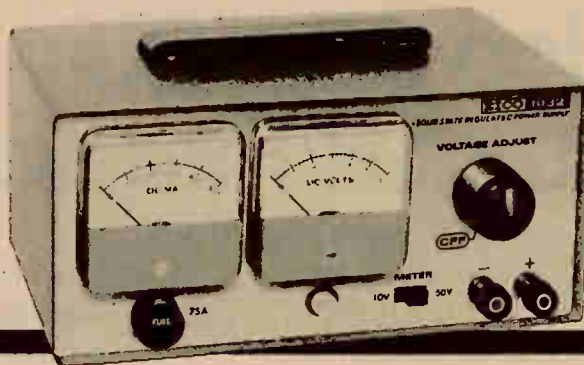
OUTPUT VOLTAGE: 117 V AC, 60 Hz. AC OUTPUT POWER: 220 W. INPUT VOLTAGE: 12 V DC. INPUT CURRENT: 3½ A (no load), 18 A (full load). BATTERY CHARGING RATE: 6 A maximum. SIZE (HWD): 6" × 6" × 8". WEIGHT: 8 lbs.

Kit

Assembled

Regulated Laboratory-Grade DC Power Supply!

1032 regulated power supply



- Regulated Against Line and Load Variations
- 0-30 Volts Continuous Output with Loads up to 500 mA
- Voltage and Current Monitored by Meters

Regulated low ripple power supply that provides the voltages and currents most commonly needed in the service shop as well as in the engineering laboratory. It may also be used in the laboratory as a fixed bias supply or for fulfilling any other regulated voltage requirement. The applications are unlimited. The adjustable 0-30 DC volts at the terminals of the instrument is free of major variations with line voltage and load changes.

A regulated DC supply serves many applications in both laboratory and service shop. This unit, small enough to fit on a shelf over a test bench, only needs lead wires connected to the terminals to provide instant and necessary voltages at the technician's finger tips. A front-panel mounted fuse provides protection for the unit should the load current exceed the supply's capabilities. The supply is equipped with a fold-flat handle for easy portability around the shop.

SPECIFICATIONS

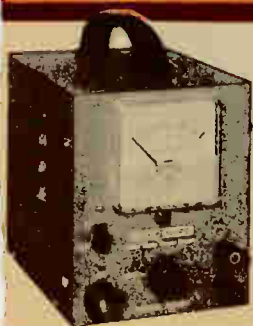
OUTPUT VOLTAGE: 0-30 volts regulated. OUTPUT CURRENT: 0-500 mA. VOLTAGE REGULATION: 0.2 volts change from 0 to maximum load and 105-135 volt line. RIPPLE: Less than 2.5 mV peak-to-peak. POLARITY: Positive. DC VOLTMETER: 0-10 volts, 0-50 volts. DC MILLIAMMETER: 0-500 mA. POWER REQUIREMENTS: 105-135 V AC, 50/60 Hz, 30 watts. SIZE (HWD): 3½" × 8" × 4½". WEIGHT: 5 lbs.

*Export Model Available.

Kit

Assembled

1020 power and bias supply



- Complete Supply For Test Applications

A completely transistorized, very low ripple, portable DC power and bias supply providing continuously variable output voltage monitored by a dual range voltmeter (0-6, 0-30 VDC). The maximum permissible load current is 300 mA. The maximum ripple (120 Hz) at full load is only 0.005%. Applications include: a universal power supply for servicing transistor devices, a variable bias supply to bias transistors or vacuum tubes, to offset AVC and AGC voltage in the alignment of TV and radio receivers.

SPECIFICATIONS

OUTPUT VOLTAGE RANGE: 0-30 V DC, continuously variable. MAX. OUTPUT CURRENT CAPABILITY (CONTINUOUS): 300 mA. FUSE: 1/2 amp will blow in case of short circuit to protect unit. Pilot lamp will remain lit even when fuse is blown but voltmeter will read zero. RIPPLE: (120 Hz): 0.005% at full load. POWER REQUIREMENTS: 117 V, 60 Hz. SIZE (HWD): 5" × 4" × 5½". WEIGHT: 5 lbs.

*Export Model Available.

Kit

Assembled

Introducing professional home protection

Eico SS-500 Burglar/Fire alarm system.

The finest low-cost complete security system EICO offers. Built around the famous EICO FC-100 Security Control Center and hailed by electronics magazines as the one that "works better than many so-called professional or industrial systems." The SS-500 consists of all the basic elements required to protect an average home or small

business. Additional sensors and components can be added at any time to expand the system. Included is the do-it-yourself installer's Home Security Handbook which makes you an instant expert in the field. It's the professional protection that you've been looking for at a price you can afford. By installing your own, you can save. By doing it with the SS-500 you save without sacrificing quality.

**SS-500 Complete System
Assembled**



The SS-500 consists of these components:

Control Center, EICO FC-100. The heart of any security system is the control center and the EICO FC-100 is the ideal way to begin your own. Included as part of the SS-500 complete system or available separately, the FC-100 has all the features required to build your own complete security system. The unit includes all the electronic circuitry needed to operate the system. On its panel are two indicator lamps: a white "circuit test" light checks the entire system to see that it is functioning properly and a red "alarm on" lamp to indicate that the system has been activated. A built-in 117-volt AC supply provides the low DC voltage required to operate the entire system. Should your line power fail for any reason, a battery (not supplied) takes over and maintains the system in full operation. A front-panel meter and battery-test switch allow you to check the battery condition at any time. The FC-100 mounts easily with two screws. It is supplied with warning decals and the Home Security Handbook.

SIZE (HWD) 9" x 6" x 5". WEIGHT: 3 lbs. **FC-100 Control Center alone, assembled \$99.95**

SA-25 8-inch Indoor/Outdoor Alarm Bell. Extra-loud, runs on 6 to 12 volts DC. **A-45 Momentary-Entrance Key Switch with Signal Light.** Lets you enter your own home without setting off alarm. Red light signals that system is activated, warns intruders your home is protected. **A-65 Remote Station Control with Indicator Lights.** Complete with wall-mounting plate, momentary switch, white circuit-test light, red alarm-on light. **SD-20 Heat/Fire Sensor.** Detectors that set off an alarm when they sense temperature of 135°F (57°C). May be used anywhere except in normally warmer areas such as attics and furnace rooms. **SD-10 Door and Window Magnetic Contact Switches.** Basic burglar/intruder sensors for doors and windows. Each unit consists of a reed switch and a bar magnet. **SD-50 Tamper Switches.** Used for protecting the alarm bell and Security Control Center from intrusion for deactivation. **SD-40 Two-Wire Door Cords.** Used to carry the system's protective electrical circuit unbroken across gaps such as the hinge side of a door. **A-35 Emergency Buttons.** Also known as "panic buttons," they permit you to sound an alarm from any location. **A-135 Alarm Hook-up Wire.** Specially insulated for dependable conducting of alarm system's protective electrical current. **A-137 Alarm-Bell Hook-up Wire.** Special-gauge wire for connecting alarms to control center. SS-500 system includes 50 feet (15.24m). **A-105 Warning Decals.** The more conspicuous your security system is, the more effective it can be to deter intruders. Six decals standard with SS-500 system. **A-95 "Do-it-Yourself" Home Security Handbook.** Everything you need to know to install an EICO security system yourself.



everyone can install and afford.

EICO SS-125 Burglar/Fire Alarm System



UL-listed. A basic home protection system you can add components to for any degree of protection you want. Its "expandability concept" is **Complete, assembled**

built around the EICO FC-125 Security Control Center with its time-delay feature. All components in the basic system are UL-listed.

The SS-200 consists of these components:

FC-125 Security Control Center with Time-Delay. With no key switches or indicator lights outside your home, the EICO FC-125 is simplicity itself. Only the main door is connected to the time-delay circuit, so that the rest of your home is protected by an instant response. The time-delay allows ample time to leave the home, activates the system only after the front door closes. When you re-enter, sounding of the alarm is delayed long enough to let you turn off the system. At night, turn off the time-delay and the entire system responds instantly. Has built-in 10-minute alarm cut-off to comply with most recent local rulings. 24-hour panic and fire circuits. Different sound for fire or intrusion. Operates from 120 VAC house current, with automatic switchover to self-contained battery if power fails. Power supply trickle-charges battery when not in use.

FC-125 Security Control Center alone, assembled
SA-25 8-inch Indoor-Outdoor Alarm Bell.

AD-20 Heat/Fire Sensors.

SD-24 Furnace/Attic Heat Sensor

SD-10 Door and Window Magnetic Contact Switches.

A-35 Emergency Button.

A-135 Alarm Hook-up Wire.

A-105 Warning Decals.

A-95 "Do-it-Yourself" Home Security Handbook.



EICO SS-200 Burglar/Fire Alarm System



Ideal for apartments, stores, offices. High protection at low cost. A completely self-contained, solid-state professional burglar and fire alarm system **Complete, assembled (supplied**

that runs on its own battery power, with a time-delay feature that activates the system only after you leave the premises and shut the exit door.

less 12 V lantern battery)

The SS-200 consists of these components:

FC-90 Security Control Center.

Protected by a steel cabinet further protected by front and rear tamper switches. Permits addition of closed-circuit intrusion detectors and open-circuit fire sensors to enlarge the system at any time. Terminals provided for fire warning horn so that fire alarm sounds differently from intrusion alarm. Operates on standard 12-volt lantern battery, not included.

FC-90 Control Center alone, assembled

SD-10 Door and Window Magnetic Contact Switches.
Interior On/Off Switch.

A-35 Emergency Button.

A-135 Alarm Hook-up Wire.

A-105 Warning Decals.



EICO A-155 Automatic Telephone Dialer

- Exclusive, Patented No-stick No-Jam Tape Transport
- Two-channel, Eight-message Capacity
- AC Operation with Battery Standby Power



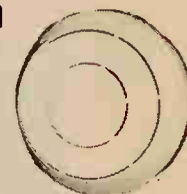
Automatically summons police or fire departments, alerts neighbors, calls your office, or makes any other desired phone calls. Simply connect to proper terminals of FC-100 Security Control Center which will then trigger the operation of the automatic telephone dialer when the alarm is set off. Uses new solid-state circuits for greater protection against phone-line transients and better audio fidelity. Uses unique silent dialing system that eliminates relay clatter. Has line-seizure function to prevent interruption should an extension phone be lifted and a line release to keep incoming calls from interfering with the operation of the automatic dialer. Line-disconnect relay keeps dialer unconnected from phone line until activated. Automatic disconnect and reset. Unit can be wired directly to phone line or into a telephone coupler. Operates from 117 V AC line with battery standby power. SIZE (HWD): 9" X 9 3/4" X 6 1/2". WEIGHT: 14 lbs.

Assembled

EICO SD-75 Battery-powered Smoke/Fire Sensor/Alarm

Provides earliest possible warning of fire. Its ionization chamber senses invisible particles of gas from combustion even before smoke may appear. Long-life battery provides about one year's protection. "Trouble" signal sounds when battery is low. U.L. listed.

Assembled



EICO ASA-310 Electronic-Siren Auto Burglar Alarm System

- No Visible Key Switch to Mount in Fender
- Digital Solid-state Logic Design
- Automatic Timer/Cut-off
- Hidden Time-delay Switch Inside Car



No drilling holes in your fender. A hidden switch controls a time-delay circuit so that you have 15 seconds after setting it to leave your car, 15 seconds to turn off the switch when you re-enter. Siren gives off piercing high-low sound that attracts attention anywhere. Solid-state automatic cut-off turns off siren after five minutes to comply with most local regulations. Operates on principle of voltage-detection so that when door is opened, causing interior light to go on, system senses voltage drain and activates alarm. Operates with all 12-volt, negative-ground systems. SIZE (HW): 4" X 8". WEIGHT: 4 lbs.

Assembled, ready to install

EICO ASA-301 Electronic Siren Auto/Burglar Alarm System

Features penetrating high/low emergency sound. Voltage-sensor reduces installation time from hours to only minutes. One wire connected to any hot lead is all that is required after installing key switch and mounting siren.

Assembled, ready to install

EICO PCE-10 Photoelectric Relay System



Interrupt its beam and it can activate an alarm system, signal traffic, or simply count traffic. All solid-state, with an effective range up to 50 feet. Features a control for adjusting sensitivity so that changes in ambient light will not affect the unit. Can be set for continuous operation so that alarm remains on even after beam is restored, or for intermittent duty so that it self-resets. Complete with full installation instructions. Operates from 117-V AC lines. SIZE, EACH (HWD): 3 1/2" X 7" X 3".

Pair, assembled, ready to install

Tailor your EICO security system to your needs or beef-up the system you have, with these EICO security components.

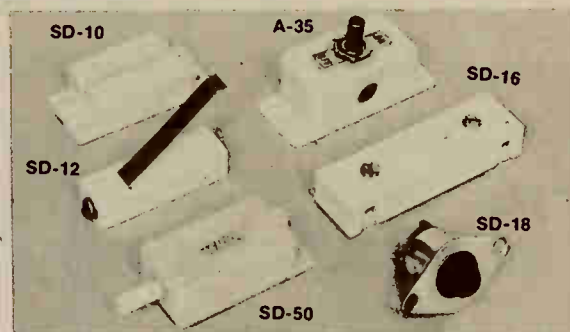
Contact Switches for Doors and Windows

SD-10 Door/Window Magnetic Contact Switches. Basic burglar/intruder sensors for doors and windows. Two-piece units consist of a reed switch and a bar magnet. Four complete units to a package. U.L. listed.

SD-12 Leaf Contact Switches. Handy multi-purpose switch for protecting case-ment, jalousie, and double-hung windows, sliding doors, and screens. Includes mounting mini-brackets. Two to a package.

SD-16 Vibration Contact Switch. (Normally closed). Protects walls, ceilings, large glass windows, skylights and virtually any area vulnerable to forced entry. Ad-justable sensitivity.

SD-18 Door Jamb Contact Switches. (Normally closed). Multipurpose bullet-nose switches easily concealed directly in door jamb. Ideal for protecting doors, win-dows. Two to a package.



Sensors for Fire and Smoke

SD-20 Heat/Fire Sensors. When the temperature reaches 135°F (57°C), sensors set off the alarm. Can be used anywhere except in normally warmer areas such as attics and furnace rooms. For these areas use Model SD-24. Three sensors to a package. U.L.

SD-24 Furnace/Attic Heat Sensors. Cause the fire alarm to sound when tempera-tures in the area in which it is located reaches 190°F (88°C). Two to a package. U.L.

SD-28 Flash-Fire Heat Detector. Detects an abnormal rate of rise in air tempera-ture typical of flash fires. Sounds alarm if temperature rises 5°F in 20 seconds or if factory-preset temperature of 135°F (57°C) is exceeded. U.L. listed.



Bells, Sirens, and Other Signaling Devices

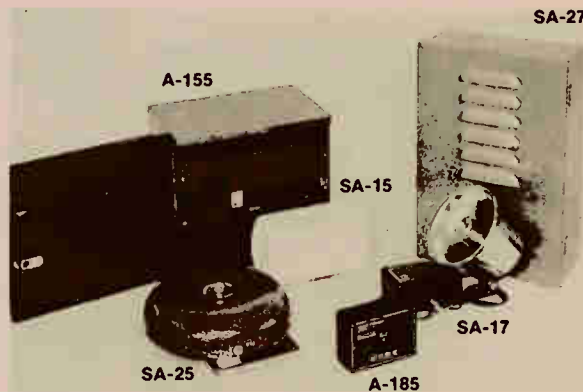
SA-25 Indoor/Outdoor 8" Bell. Extra-loud alarm bell usable for both burglar and fire alarm circuits, indoors or outdoors. Operates on 6-12 V DC. U.L. listed.

SA-27 Steel Bell Box. Heavy-gauge steel, with safety plate with mounting holes for SA-25 alarm bell and SD-50 tamper switches (not included). Hammertone rust-retardant finish. SIZE (HWD): 12" X 9" X 4".

SA-15 Indoor Klaxon Horn Alarm. Twin horns mounted in decorator-styled housing sound a loud, ear-piercing warning. Ideal for indoor fire alarm system. Operates on 6-12 V DC.

SA-17 Dual-Channel Electronic Siren. Ideal for any 6-12 volt system as replace-ment or adjunct to alarm bell. Dual channel provides a steady tone which can serve as a fire alert, plus high-low warbler for intrusion.

A-185 Time/Automatic Alarm Cut-off. Automatically shuts off alarm bell or horn after about ten minutes. Required in many localities and permits alarm to do its job without overly disturbing neighbors.



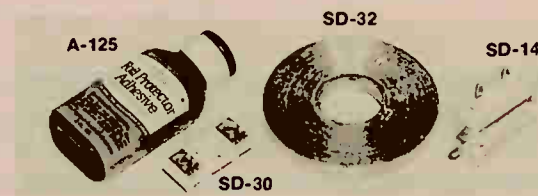
Protection for Windows, Glass Doors, Skylights

SD-32 Glass-Protection Foil. Self-sticking metal foil that conducts security-circuit current over interior surface of glass to detect cracking or breaking of glass by intruder. 200-foot (64.3 m) roll.

A-125 Foil Protector/Adhesive. Dual-purpose clear acrylic formulation cements foil to glass and provides durable coating to protect foil from scratching and wear. 2-oz. applicator bottle.

SD-30 Foil Adhesive Blocks. Self-sticking foil connectors to link glass-protect... foil to protection circuit wiring. Package of 6.

SD-14 Multi-Purpose Foil Contact Switches. Exclusive switches for protecting double-hung, sliding, tilting, and swinging windows as well as sliding patio and glass doors. Package of two pairs.

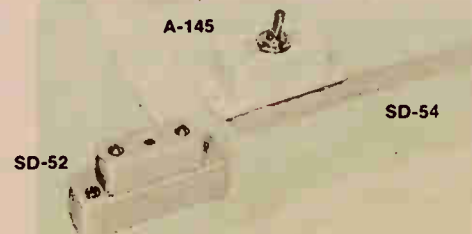


Special-purpose Switches and Trips

A-145 By-Pass Switches. Versatile switch lets you by-pass protection on a par-ticular door or window. Permits window to be left open for ventilation or door open for constant traffic while rest of your home is protected. Package of two.

SD-52 Electric Trip-Cord. Revolutionary new design in trip-cords for closed-circuit alarm systems. Exclusive dual-circuit trap for protecting doorways, staircases, hallways, cellars, etc. Fully insulated. Includes 20 feet (7 m) of two-conductor clear plastic hook-up wire.

SD-54 Under-Mat Floor Switch. Ideal for securing hard-to-protect stairways, hall-ways, entrances which should be monitored but not locked. Also ideal for shop en-trances during business hours. Ultra-thin hermetically sealed vinyl construction.



EICOCRAFT®

Project Kits

- Educational, useful, fun to build
- Pre-drilled printed circuit boards
- Reliable solid state circuitry
- Easy step-by-step-instructions

Exclusive "Panel Mounts" gives your project a professional appearance.

EC-100 ELECTRONIC SIREN

Excellent for all attention-getting and signalling purposes such as alarms for burglary, fire, automobile, bicycle, personal attack, etc. Sound effects for model railroads, slot car racers, tape recordings, etc. Includes Speaker. Supplied less 9 volt battery.

EC-700 ELECTRONIC "MYSTIFIER"

Fascinating battery-operated relaxation oscillator circuit of 6 blinking neon lights. A never ending entertainment "conversation piece"—for desk, den, mantle, it makes an excellent gift "for the one who has everything." Supplied less 9 volt battery.

EC-1400 FM RADIO

Receives the FM broadcast band from 88 MHz through 108 MHz. It may be utilized as a private listening personal radio (with the earphone supplied), or as an FM tuner when coupled to an audio amplifier such as EICOCRAFT EC-300. Supplied less 9 volt battery.

EC-1700 HAM/CB VOX

This solid-state voice-operated switch has variable time delay and anti-vox circuits. Use it with your transmitter and receiver and your voice will operate the unit from transmit to receive! Gives you hands-free versatility!

EC-2300 AUDIO PREAMP

Solid state preamplifier accepts any of five inputs and allows them to be connected through an emitter follower to the amplifier or public address unit. If you're converting your phono from ceramic to magnetic cartridge, this is a must!

EC-2800 AIRCRAFT CONVERTER

Tune the 108-136 MHz band and hear two-way broadcasts from local aircraft on your broadcast band receiver. Supplied less 9 volt battery.

EC-400 ELECTRONIC METRONOME

Precision electronic metronome incorporating a relaxation oscillator circuit which produces accurate adjustable impulses through a loudspeaker (included) — from approximately 10 to 360 beats per minute. Supplied less 9 volt battery.

EC-900 AC POWER SUPPLY

Converts house-current AC volts (110-125 volts AC) to 6 to 9 volts DC. Reliable, transformer-operated, transistors power supply. Full-wave bridge rectifier uses silicon diodes and high capacity filtering for 6 to 9 volts DC output. Useful to power most EICOCRAFT kits.

EC-1500 AM RADIO

Receives the AM broadcast band from 500 kHz through 1600 kHz. It may be utilized as a private-listening personal radio (with the earphone supplied), or as an AM tuner when coupled with an audio amplifier such as EICOCRAFT EC-300. Supplied less 9 volt battery.

EC-1900 TREASURE FINDER

This battery-operated metal locator can pay for itself! Locates both ferrous (iron, steel, etc.) and non-ferrous (gold, silver, platinum, copper) metals. Boasts two RF oscillators and search loop; has distinctive audio indicator. Supplied less 9 volt battery.

EC-2600 "SUPER SNOOP"

It's so sensitive that you can use it as a hearing aid, private listening device or professional stethoscope! Has a crystal mike feeding a low-noise 3-transistor amplifier, then to an efficient earphone. 9 volt battery not supplied.

EC-2800 POLICE/FIRE CONVERTER (HI-BAND)

Now your AM radio (in car or home) can be used to tune in the entire, exciting 152-174 MHz band VHF communications bands used by police and fire departments that transmit AM only. Supplied less 9 volt battery.

EC-600 LIGHT FLASHER

This battery-operated, 2-transistor multivibrator circuit makes two lights flash alternately. Great attention getter or warning light. Makes an excellent warning light for cars or boats, and, if you're a hiker, put the lamps on the back of your knapsack! Use 6 volt lantern battery not supplied.

EC-1000 CODE OSCILLATOR

Can be used to monitor your code - just connect it in parallel to your existing transmitter key. Includes Speaker and Key (pushbutton). Supplied less 9 volt battery.

EC-1600 ELECTRONIC BONGOS

Now you can electronically produce the exciting percussive sounds of high-pitched and low-pitched bongos, tom toms, bass drum, marimba, gongs and claves. Operates in conjunction with any amplifier and speaker. An ideal accessory for use with electronic musical instruments.

EC-2000 ELECTRONIC ORGAN

One-octave electronic organ (with a built-in preamplifier) can be fed to any audio amplifier. Two or more of these organs can be played in harmony to produce graceful chord structures.

EC-2700 POLICE/FIRE CONVERTER (LO-BAND)

Now your AM radio (in car or home) can be used to tune in the entire, exciting 30-50 MHz band VHF communications bands used by police and fire departments that transmit on AM only. Supplied less 9 volt battery.

EC-1300 ELECTRONIC VOX

This transistorized, audio-activated relay has an adjustable variable time delay and allows you to control any electrical circuit with the sound of your voice. Makes a great control for tape recorders; can serve as a "commercial killer" for TV too.

7 IC EICOCRAFT KITS

The IC or integrated circuit is the heart of these new EICOCRAFT kits. Integrated circuits permit the scientific combining of several circuits into a small module. The result is a new ease of construction for the kit builder.

EC-5000 SCA ADAPTER

This adapter permits you to listen to the official FCC licensed background music that is uninterrupted and commercial-free. Use with any FM receiver or FM radio and take advantage of music the way banks and restaurants do! **12.95**
This adaptor is intended for personal use only.

EC-5100 ESP TESTER

How intuitive are you? This Tester will help you find out! The four lamps light in random fashion and all you have to do is guess which is next. Requires a six-volt battery.

EC-5200 "DECISION MAKER"

Never flip a coin again! Let the EICO EC-5200 do it for you. When a decision has to be made only one of the two LED's remains lit, indicating either a "yes" or a "no" answer. It's lots of fun! Requires a six-volt battery.

EC-5400 STEREO POWER AMPLIFIER

You get two watts per channel of continuous power with inputs for microphone, phono, tape recorder, etc. Drives 8-ohm speaker systems. For even more flexibility, use with EC-5500, below.

EC-5500 STEREO PREAMP

Permits you to drive any stereo amplifier with low-level inputs, such as magnetic cartridge, dynamic mike, etc. Provides NAB and RIAA equalization, 90 db channel separation. Requires 12 volt battery.

EC-5600 ELECTRONIC LOCK

Forget about your "High-security" locks! This one has 'em all beat. You must press three of the five buttons in proper sequence within a 10 second interval for this lock to work. (125 to 1 chance of opening). Digital (MOS) circuitry. In this combination lock requires a 6 volt battery.

EC-5700 UNIVERSAL POWER AMPLIFIER

This 2-watt general purpose amplifier accepts any input source such as mike, phono, or tape recorder; works with 8-ohm speaker. Makes an excellent hailing horn or P.A. system.

TURN YOUR MUSIC INTO A DAZZLING DISCO LIGHT SHOW

discolites



3431



3477



4300

EICO 3431 AUDIO COLOR ORGAN

- MUSIC BECOMES BURSTS OF LIGHT
- 4 CHANNELS, FREQUENCY-CONTROLLED

The EICO Color Organ adds exciting sights to your sound system. Just connect the 3431 to the speaker leads of any sound source. Without affecting the sound, the audio signal is separated into four frequency bands, each with brilliantly colored light patterns, red for bass, blue for low-midrange, green for upper-midrange and amber for treble. The lights pulsate in time to the music creating dazzling patterns of color. Line isolation provides source protection. Walnut grained cabinet. Size: (HWD) 18" x 10" x 7" Weight: 8 lbs.

EICO 3477 ELECTRONIC STROBE LIGHT

- "FREEZES" THE ACTION AT DISCOS, ETC.
- 1-10 FLASH-PER-SECOND RATE CONTROL

Flash any room like a disco with intensive blue-white light... Under strobe light, dancing takes on a new dimension. Decor-enhancing walnut-grained cabinet in cube design. Variable-speed control provides 1-10 flashes per second; plug-in type high-intensity xenon flash tube. Dazzling output from 4" reflector. Each side 6". Weight: 1 lb. Assembled.

EICO 4300 SOUND/LITE TRANSLATOR

- 3 CHANNELS, FREQUENCY CONTROLLED
- 400 WATTS PER CHANNEL

Highten your pleasure in music listening with an audio light show. The EICO Sound to Light Control lets you modulate 3 independent colored lamp circuits with the intensity of your music. Just plug in your favorite colored flood or spotlights and connect to the speaker leads of your music system. Features 3 frequency sensitive channels with individual controls for low, mid and high ranges. 400 Watts per channel. Size: (HWD) 2" x 4" x 6". Weight: ½ lb. Kit and wired.

NEW!

EICO C-215 CASSETTE IN-DASH STEREO FM-AM CAR RADIO

- EZ-Install System
- Fast forward with lock position
- Stereo and tape LED
- Adjustable shafts
- FM Local/Distant switch
- Output power: 10 Watts RMS



The EICO C-215 is loaded with deluxe operating and performance features. Engineered for factory-installed looks and performance at a price to please any car stereo buff. Complete with AM-FM band selector switch, Locking Fast-Forward-Eject control switch, slide load cassette, tape run and stop LED indicator. Other deluxe features include FM local/distant switch, stereo indicator light, illuminated dial scale and stereo balance control. Adjustable shafts for installation in most cars, vans and trucks. Supplied with mounting hardware, power cord, and step-by-step installation instructions.

EICO ELECTRONIC INSTRUMENT CO., INC.
108 New South Road, Hicksville, N.Y. 11802

If not deliverable, do not return.



CATALOG

All prices and specifications subject to change without notice. Prices slightly higher in the West and Canada.

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THE NEW ONES FROM S O.



NEW! DIGITAL MULTIMETERS

Low-cost DMM kits and assembled units with laboratory accuracy. See Page 8



NEW! SCOPES

Three new lab quality Solid State Scopes combine performance with economy. See Pages 4 & 5



NEW! COUNTER FOR CB'ers/HOBBYISTS

Operates automatically on transmit. Great value in kit or assembled form. See Page 20.



NEW! FUNCTION GENERATOR

Professional instrument that meets all your signal requirements! See Page 11



NEW! FREQUENCY COUNTER

Digital precision you can rely on. Optional prescaler extends range to 250 MHz. See Page 5



NEW! IC COLOR BAR GENERATOR

Digital MOS LSI circuit design. Pocket sized, battery operated. See Page 13

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