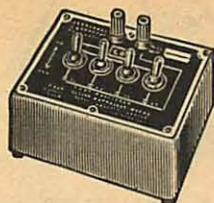


**MODEL CDE ELECTROLYTIC CAPACITOR SUBSTITUTION BOX**



Provides a reliable, flexible capacitance for substitution purposes in a wide variety of service and experimental electronic and electrical applications. Proper replacement capacitor value can be determined directly from values indicated on the box. Selection of 15 combinations available. Unit can be used individually or can be connected in parallel with other similar units to provide an unlimited range of higher capacitances. Long-life, etched cathode, low ripple, all-purpose type capacitors; especially suited for selenium rectifier applications. **Capacitance**

Range: 10-150  $\mu$ f, in 10  $\mu$ f steps. **Voltage Range:** 450 v., DC, maximum. **Tolerance:** -10%, +50%. **Size:** 3 $\frac{3}{8}$ " x 5" x 3 $\frac{1}{4}$ ". **Cornell-Dubilier Model CDE Electrolytic Capacitor Substitution Box—Net Each.....\$14.20**

**MODEL CDT TANTALUM CAPACITOR SUBSTITUTION BOX**

Provides convenient substitution of polarized tantalum foil capacitors, from 10 to 1100  $\mu$ f in 10  $\mu$ f steps. Selection by two rotary switches; individually calibrated with calibration chart showing actual values to  $\pm$ 1% permanently attached to unit. Low range, from 10-100  $\mu$ f, uses plain foil capacitors, tolerance  $\pm$ 5%; high range, 100-1000  $\mu$ f, uses etched foil, tolerance  $\pm$ 10%. Maximum voltage, 50 v., DC polarized. Molded phenolic case with 6-way molded nylon terminal posts. **Size:** 3 $\frac{3}{8}$ " x 5" x 3 $\frac{1}{4}$ ". Weight, 1 lb. 4 oz.



**Cornell-Dubilier Model CDT Tantalum Capacitor Substitution Box—Net Each.....\$9.50**

**DECADE CAPACITORS**



Provide accurate standards over a wide range of capacitance. May be used in groups of three decades, or individually for maximum flexibility. Each decade is furnished with calibration chart giving exact values for all scale markings, extending use to more precise measurements with 6-way molded nylon terminal posts. Rated Voltage—600 v., DC, 220 v., AC. Model CDC uses one rotary switch, others two. Model CDA uses silver mica capacitors, others paper-oil. **Size:** 3 $\frac{3}{8}$ " x 5" x 3 $\frac{1}{4}$ ".

| CDE Model | Max. Capacitance                    | Tolerance | Dielectric | Net Each |
|-----------|-------------------------------------|-----------|------------|----------|
| CDA-2     | .011 $\mu$ f in .0001 $\mu$ f steps | $\pm$ 2%  | Mica       | \$17.50  |
| CDA-5     | .011 $\mu$ f in .0001 $\mu$ f steps | $\pm$ 5%  | Mica       | 14.20    |
| CDB-5     | 1.1 $\mu$ f in .01 $\mu$ f steps    | $\pm$ 5%  | Oil-Paper  | 14.20    |
| CDB-3     | 1.1 $\mu$ f in .01 $\mu$ f steps    | $\pm$ 3%  | Oil-Paper  | 16.35    |
| CDC-5     | 10.0 $\mu$ f in 1.0 $\mu$ f steps   | $\pm$ 5%  | Oil-Paper  | 24.65    |
| CDC-3     | 10.0 $\mu$ f in 1.0 $\mu$ f steps   | $\pm$ 3%  | Oil-Paper  | 27.25    |

**DECADE RESISTORS**



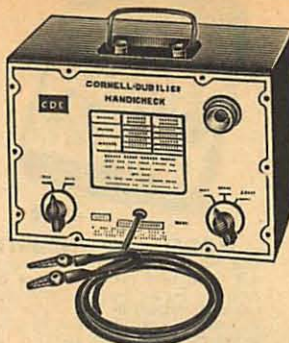
A reliable source of resistance for substitution purposes in a wide variety of electrical and electronic applications. Range selection made by two rotary selector switches. Each decade covers 110 resistance values. Custom calibration chart permanently attached. **Model RDA:** Wire-wound resistors, rated 10 watts max.; covers 1-110 ohms in 1 ohm steps. Low range, 1-10 ohms,  $\pm$ 5%; high range, 10-100 ohms,  $\pm$ 3%. **Model RDB:** Non-inductive wire-wound resistors, rated 10 watts max.; covers 100-11K ohms in 100 ohm steps, tolerance,  $\pm$ 3%. Low range, 100-1K ohms; high range, 1K-10K ohms. **Model RDC:** Non-inductive precision carbon resistors, rated 2 watts max.; covers 10K ohms to 1.1 megohm in 10K steps, tolerance,  $\pm$ 1%. Low range, 10K-100K ohms; high range, 100K-1 megohm. **Size:** 3 $\frac{3}{8}$ " x 5" x 3".

**Cornell-Dubilier Model RDA Decade—Net Each.....\$15.35**  
**Cornell-Dubilier Model RDB Decade—Net Each.....\$15.65**  
**Cornell-Dubilier Model RDC Decade—Net Each.....15.65**

**RACK PANEL MOUNTED DECADES**

Rack-panel mounted capacitor and resistor decade units. Mounted on standard 19-inch rack panel. Allows convenient off-bench location and easy access. Includes 3 capacitance or resistance ranges. **Model CDRM:** .011  $\mu$ f in .0001  $\mu$ f steps, 1.1  $\mu$ f in .01  $\mu$ f steps and 10.0  $\mu$ f in 1.0  $\mu$ f steps; one each Model CDA-2, CDB-3 and CDC-3. **Model RDRM:** 1 to 110 ohms in 1 ohm steps, 100 to 11K ohms in 100 ohm steps, 10K ohms to 1.1 megohms in 10K steps; one each Model RDA, RDB, RDC. **Size:** 19" x 5" x 3 $\frac{1}{2}$ ". **\$58.85**  
**Cornell-Dubilier Model CDRM—Net Each.....\$58.85**  
**Cornell-Dubilier Model RDRM—Net Each.....\$55.00**  
 Special units available with any combination of decades.

**MODEL BF-90 "HANDICHECK" IN-CIRCUIT CAPACITOR CHECKER**

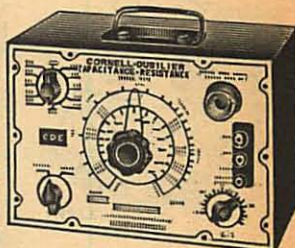


Designed to determine the condition of capacitors rapidly and conveniently without removing them from the circuit. Detects opens, shorts or intermittent opens and shorts. Will indicate condition of in-circuit capacitors from 30  $\mu$ f to 0.1  $\mu$ f with 50 ohms or higher parallel resistance and from 0.1  $\mu$ f to 2000  $\mu$ f with 1 ohm or higher parallel resistance. A 60 cps circuit with an electron-ray indicator tube is used to detect shorts and intermittents. Has recessed handle for easy carrying. Operates on 110-125 v. AC, 50-60 cps.

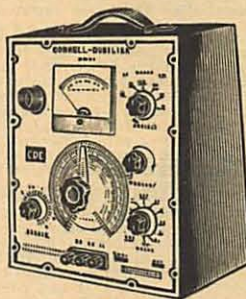
**Size:** 5 $\frac{1}{2}$ " d. x 7" h. x 10" w. In portable dark brown wrinkle finish metal case. Weight, 6 $\frac{3}{4}$  lbs. **Cornell-Dubilier Model BF-90 "Handicheck"—\$41.75**  
 Complete with tubes. Net Each.....

**MODEL BF-60 CAPACITOR-RESISTOR BRIDGE**

Measures the most important capacitor and resistor characteristics and defects: Resistance, capacitance, power factor, low insulation resistance, high leakage, intermittents, shorts, opens. When bridge uses electron "eye" for bridge null indications. **Capacitance:** Four ranges, 10  $\mu$ f to 1,000  $\mu$ f. **Resistance:** Two ranges, 1,000 ohms to 5 megs. **Power Factor:** To 50% at 60 cps. Five fixed DC polarizing voltages provided. **Power Required:** 110-125 v. AC, 50-60 cps. Dark brown wrinkle finished case. **Size:** 10" w. x 5 $\frac{1}{2}$ " d. x 7" h. Wt., 8 $\frac{1}{4}$  lbs. **Cornell-Dubilier Model BF-60 Capacitor-Resistor Bridge—Complete with tubes. Net Each.....\$51.85**



**MODEL BF-71A CAPACITANCE-RESISTANCE ANALYZER**



Revised version of the Model BF-70, with extra features. Checks capacitors rated as low as 1 volt. Fills the need for an instrument to check not only medium to high voltage capacitors, but also low voltage capacitors, such as transistor circuit types, without damage or change of characteristics. Large 3 $\frac{1}{2}$ " multi-range meter measures leakage current even on tantalum capacitors. Refined circuitry eliminates high voltage pot; slopping front panel improves readability. Has high accuracy, stability, and reliability. **Capacitance:** Measures 10  $\mu$ f to 2000  $\mu$ f in four ranges with Wien bridge accuracy of  $\pm$ 3% and test voltage of only 0.5 v. rms. **Power Factor:** 0-50% on electrolytics. **Resistance:** 2.5 ohms to 25 megohms, in three ranges. **Insulation Resistance:** Measured directly or by calculation. **Meter:** 10,000 ohms/volt meter; measures leakage current from 2  $\mu$ a to 100 ma in three ranges, and test voltages from 0-500 v., DC in three ranges. **Meter accuracy,** 2% of full scale. **Internal Power Supply:** 0-500 v., DC at 35 ma maximum for leakage testing or general lab use. **Power Required:** 110-125 v. AC, 50-60 cps. **Size:** 10" w. x 8 $\frac{1}{2}$ " d. x 11" h. In portable dark brown, wrinkle enamel, metal case. Panel has beige background, red border, black and red lettering. Weight, 14 lbs.

**Cornell-Dubilier Model BF-71A Capacitance-Resistance Analyzer—Net Each.....\$129.75**

**FOR THE FINEST IN ELECTRONIC INSTRUMENTS AND COMPONENTS ALWAYS SPECIFY CDE.**

**SEE CATALOG INDEX FOR OTHER CORNELL-DUBILIER PRODUCTS. ASK FOR DATA ON UNLISTED ITEMS.**