



**The RC-10 provides a convenient selection of standard resistor and capacitor values available either separately or in series or parallel RC combinations.** The unit includes 36 resistors ranging in value from 15 Ohms to megaohms, and 18 capacitors from 100 picofarads to 0.22 $\mu$ f.

Both resistors and capacitors have a 10% tolerance. The resistors have a power rating of one watt. The capacitors have a voltage rating of approximately 600 volts.

Some uses of the RC Circuit Box include component substitution in servicing and circuit design applications, and establishing RC circuits for checking impedance, reactance, and frequency characteristics. The unit is also useful for classroom applications to demonstrate Ohm's Law, capacitive reactance, and other circuit effects caused by introducing various resistance and capacitance combinations.

The RC Circuit Box is provided with plug-in test leads with convenient alligator clip connectors (RSP-2). The unit measures 212mm x 177mm x 116mm (8.34" x 2.83" x 4.56") and weighs approximately 1.240Kg (2.73 lbs.)

## Model RC-10

### Resistance-Capacitance Circuit Box



Model RC-10

- Convenient selection of standard resistors and capacitor values separately or in series or parallel RC combination**
- 36 resistor ranges in values from 15 Ohms to 10 megaohm 1 Watt, 10%**
- 18 capacitor ranges in values from 100 Picofarads to .22 Microfarads, 600 Volts, 10%**
- Compact design**
- Perfect for all types of educational experiments and or circuit designs when using Global Specialties Protoboards & Breadboard Design Trainers**
- Black and red plug in test leads with convenient Alligator Clip connectors.**

# Model RC-10

## Resistance-Capacitance Circuit Box Specifications

### Resistance



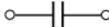
All resistors in the RC-10 are rated at 1 Watt. Do not exceed this power level. The resistance selector or "R" switch has 18 positions with a HI/LO selector switch for each position, providing a total of 36 resistance values.

The resistor values on the "R" selector switch with no letter following are expressed in Ohms. For example, the value marked "100" indicates 100 Ohms.

A "K" following the value indicates "times 1000". For example, the value marked "100K" indicates 100,000 Ohms.

An "M" following the value indicates megohms, or times "1,000,000". For example, the value marked "10M" indicates 10,000,000 ohms.

### Capacitance



The capacitors in the RC-10 have a voltage rating of 600 volts. Do not exceed this rating. The RC Circuit Box provides a selection of 18 capacitance values.

Note the capacitance values on the right side of the "C" switch are in microfarads ( $\mu\text{f}$ ), corresponding to 0.000001 farad. Values on the left side of the switch are in picofarads ( $\text{p}\text{f}$ ), corresponding to 0.000001  $\mu\text{f}$ .

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### Ordering Information

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