

RCS-500 Resistance and Capacitance Decade Box

- Combination of Resistance and Capacitance Decade Box
- Accurate 0.1% to 4%
- Wide range from 100 pF - 100 μ F & 1 Ω - 10 M Ω
- Compact, convenient, and rugged
- Direct reading and Error proof:
- Color Coded

The RCS-box combines the features and specifications of both the R-box and the C-box in one convenient package. Ideal for setting timers, oscillators, and filters, the resistance and capacitance may be used independently, in series, or in parallel. A shorting link allows them to be coupled or separated.

One nice feature of the RCS Series is that it uses convenient side by side, color-coded, thumbwheel switches. Allow for direct reading — There is no fumbling with multiple slide or rotary switches. Simply dial in the desired values and use!

Made of high impact plastic and weighing less than a pound, these decade boxes are very portable and can reduce clutter on a busy lab bench.

RCS Series Decade Box Basic Specifications

Model	RCS-500		RCS-502	
Combines	RS-200	CS-300	RS-201	CS-301
Type	Resistance	Capacitance	Precision Resistance	Precision Capacitance
Resistance Accuracy	$\pm(1\%+25 \text{ m}\Omega)$	$\pm(4\%+3 \text{ pF})$	$\pm(0.1\%+25 \text{ m}\Omega)$	$\pm(1\%+3 \text{ pF})$
Decades	7	6	7	6
Range	0 - 9,999,999 Ω	0- 99.999 9 μ F	0 - 9,999,999 Ω	0- 99.999 9 μ F
Resolution	1 Ω	100 pF	1 Ω	100 pF
Ratings	0.5 W (rising to 2.5 W at step 9)	100 V (25 V for 10 - 100 μ F)	0.5 W (rising to 2.5 W at step 9)	100 V (25 V for 10 - 100 μ F)
Residual	$\leq 0.39 \Omega$ ($\leq 0.056 \Omega/\text{decade}$)	$\leq 42 \text{ pF}$ ($\leq 7 \text{ pF}/\text{decade}$)	$\leq 0.39 \Omega$ ($\leq 0.056 \Omega/\text{decade}$)	$\leq 42 \text{ pF}$ ($\leq 7 \text{ pF}/\text{decade}$)
Physical	18.8 x 11 x 6 cm, 410 g (7.4 x 4.3 x 2.4 in, 14 oz)			