

**Aumictech**

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Data Sheet

August 15, 2026

IET LABS

IET Labs Inc RCS-500

IET Labs Calibration Equipment. Resolution: ** 1 Ω , Accuracy: ** $\pm(1\% + 25 \text{ m}\Omega)$, Resolution: ** 100 pF.



MODEL

IET Labs RCS-500

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

RCS-500

LISTING

<https://aumictechlabs.com/products/rcs-500-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The IET Labs RCS-500 is a dual-function decade box providing resistance and capacitance substitution in a single, lightweight unit. Engineered for calibration, testing, measurement, design, and troubleshooting across laboratory, field, and automated testing environments, it combines seven decades of resistance control with six decades of capacitance in a compact, shielded enclosure. Direct-reading thumbwheel switches with color-coded ranges minimize operator error and reduce bench clutter. Technical Specifications Resistance Decade Range: 0 to 9,999,999 Ω (1 Ω to 10 M Ω) Decades: 7 Resolution: 1 Ω Accuracy: $\pm(1\% + 25 \text{ m}\Omega)$ Power Rating: 0.5 W (2.5 W at step 9) Residual Impedance: $\leq 0.39 \Omega$ ($\leq 0.056 \Omega/\text{decade}$) Capacitance Decade Range: 0 to 99.9999 μF (100 pF to 100 μF) Decades: 6 Resolution: 100 pF Accuracy: $\pm(4\% + 3 \text{ pF})$ for ranges $\geq 10 \mu\text{F}$; $\pm(1\% + 3 \text{ pF})$ for ranges $< 10 \mu\text{F}$ Voltage Rating: 100 V (25 V for 10 μF to 100 μF ranges) Residual Impedance: $\leq 42 \text{ pF}$ ($\leq 7 \text{ pF}/\text{decade}$) Key Features Integrated resistance and capacitance functions in one unit Side-by-side, color-coded thumbwheel switches for direct reading Shielded case with grounding post High-impact plastic construction Weighs less than one pound Protection

fuse NIST traceable calibration certificate included Typical Applications Calibration and measurement verification Setting timers, oscillators, and filters Design, troubleshooting, and service work Electronics manufacturing and quality assurance Education, research, and development Automated test systems

RCS500 Characteristics / Specifications

PARAMETER	VALUE
Model	RCS-500
Instrument Type	Combination resistance and capacitance decade substituter
Family	IET Labs RCS Series (GenRad tradition)
Resistance Range	0 to 9,999,999 ohm
Resistance Resolution	1 ohm
Resistance Decades	7
Resistance Accuracy	plus or minus (1 percent + 25 mOhm)
Resistance Rating	0.5 W rising to 2.5 W at step 9
Resistance Residual	less than or equal to 0.39 ohm (less than or equal to 0.056 ohm per decade)
Capacitance Range	0 to 99.9999 uF
Capacitance Resolution	100 pF
Capacitance Decades	6
Capacitance Accuracy	plus or minus (4 percent + 3 pF); plus or minus 7 percent at greater than or equal to 10 uF
Capacitance Voltage	100 V (25 V for 10 to 100 uF)
Capacitance Residual	less than or equal to 42 pF (less than or equal to 7 pF per decade)
Switch Type	10-position make-before-break thumbwheels
Switch Voltage	750 Vdc peak or 550 Vrms switching
Dimensions	18.8 × 8.4 × 6.4 cm (7.4 × 3.3 × 2.5 in)
Mass	410 g (14 oz)
Combines	RS-200 resistance + CS-300 capacitance
Manufacturer	IET Labs Inc.
Literature	IET RCS Series / RS-CS-LS datasheet RCS-500 column

RCS500 Specifications

PARAMETER	VALUE
Key Features	RS-200 plus CS-300 in one 410 g box
Technical Specifications	Model: RCS-500
Notes	From IET Labs RCS-500 product page and RS-CS-LS datasheet. RCS-502 is the 0.1 percent sibling, not this SKU.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes	
From IET Labs RCS-500 product page and RS-CS-LS datasheet. RCS-502 is the 0.1 percent sibling, not this SKU.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.