

IET 1433 Series Decade Resistor

Accurate, Stable and Low Zero Resistance

IET continues to produce the 1433 Series Decade Resistors to the same exacting specs as GenRad. These Decade Resistors are primarily intended for precision measurement applications where their excellent accuracy of $\pm 0.01\%$, stability, and low zero resistance are important.

They are convenient resistance standards for checking the accuracy of resistance-measuring devices and are used as components in dc and audio-frequency impedance bridges. Many of the models can be used up into the radio-frequency range.

- Precision accuracy of $+0.01\%$
- Resistance range from 1 m Ω to 111.11111111 M Ω
- 36 models available, 3 to 11 dials
- Dust proof, long life switches with solid silver contacts
- Good frequency characteristics
- Low temperature coefficient
- Excellent stability
- Low zero resistance
- Rack mount option



IET C-box CS Series Digital Capacitance Box

The CS Series Digital Capacitance Box is an economical, indispensable collection of tools with a variety of uses in engineering, design, troubleshooting, or service fields.

Best Substituter Value Available

- Accurate .01% to 1%
- Available from 0 to 999,9999 μF
- Broad choice of standard and optional models with many powerful features
- Compact, convenient, and rugged
- Panel Mounting, Shielded Case and Fuse Protection options available



Model	CS-301	CS-300
MSRP	\$349	\$189
Type of Substituter	Precision Capacitance	Capacitance
Accuracy*	$\pm(1\%+3 \text{ pF})$	$\pm(4\%+3 \text{ pF})$
Decades	6	6
Range	0 pF to 999,9999 μF	0 pF to 999,9999 μF
Resolution	100 pF	100 pF
Residual Impedance	30 pF(5 pF/decade) typical	
Physical	12 x 7.9 x 5.6 cm; 235 g (4.7 x 3.1 x 2.2 in; 8.3 oz.)	12 x 7.9 x 5.6 cm; 235 g (4.7 x 3.1 x 2.2 in; 8.3 oz.)
	Manual Two-terminal Resistance Substitution Box	

*Accuracy after subtraction of the Residual Impedance; traceable to NIST.



IET RS Series Digital Resistance Substitution Box

The RS Resistance Substitution Box is the most commonly used decade box on the market today. The RS Series Resistance Substitution Box is not only easier to use, but it is also priced lower than all of its competitors.

- Accurate .01% to 1%
- Broad choice of standard and optional models with many powerful features
- Compact, convenient, and rugged
- Panel Mounting, Shielded Case and Fuse Protection options available

Model	RS-200	RS-201	RS-200W	RS-201W
MSRP	\$174	\$324	\$324	\$539
Type of Substituter	Basic Resistance	Precision Resistance	Wide Range Resistance	Wide Range Precision Resistance
Accuracy*	$\pm(1\%+25 \text{ m}\Omega)$	$\pm(0.1\%+25 \text{ m}\Omega)$	$\pm(1\%+30 \text{ m}\Omega)$	$\pm(0.1\%+30 \text{ m}\Omega)$
Decades	7	7	9	9
Range	0 to 9,999,999 Ω	0 to 9,999,999 Ω	0 to 99,999,999.9 Ω	0 to 99,999,999.9 Ω
Resolution	1 Ω	1 Ω	0.1 Ω	0.1 Ω
Type of Components	Metal film resistors; wirewound or resistance wire for 0.9 Ω and under			
Ratings	0.5 W**			
Residual Impedance	0.3 Ω (0.04 Ω /dec.), typical		0.3 Ω (0.04 Ω /dec.), typical	

*Accuracy after subtraction of the Residual Impedance; traceable to NIST.

**Higher power resistance substituters (1 W or higher) available; see optional models below or HPRS data sheet.

***Residual Impedance may be reduced to 0.04 Ω or 5 pF for lowest decade with LR Option. This makes for more effective usage at low impedances. Lowest decade is isolated from others with a switch when desired.

IET HARS-X Series Decade Resistor

0.01% Accuracy—Call Tucker Electronics for quick delivery.

Tight tolerance laboratory grade decade substituters, for applications requiring a cost effective high performance resistance decade box.

- Resistance from 1 m Ω to 111 M Ω
- Excellent stability - 10 ppm/yr, 25 ppm/3 yrs
- Wide choice - single through 11 decade units
- High accuracy—0.01% (100 ppm)
- Very low zero resistance: $<1 \text{ m}\Omega$ per decade
- High performance solid silver alloy switches
- Low temperature coefficient - 5 ppm/ $^{\circ}\text{C}$
- Noninductive or low inductance resistors



Call your Tucker Sales Engineer or visit us online for IET models and pricing.

IET SRL Resistance Standard Series

Highest performance, very low temperature coefficient, highest stability sealed resistance standards.

Features

- No oil bath required
- Very stable—2 ppm/yr, typical
- Extremely low TC: $<2 \text{ ppm}$ total for 18 to 28 $^{\circ}\text{C}$ range
- Optional nonstandard values and combination units
- Optional transit case
- 1 mW to 10 TW Range



IET RCS-Box Series Digital Substituter

The RC-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.

- Accurate .01% to 1%
- Available from 1 pF to 999,9999 μF
- Broad choice of standard and optional models with many powerful features
- Compact, convenient, and rugged
- Panel Mounting, Shielded Case and Fuse Protection options available



IETRCS-500 \$359

IETRCS-502 \$669