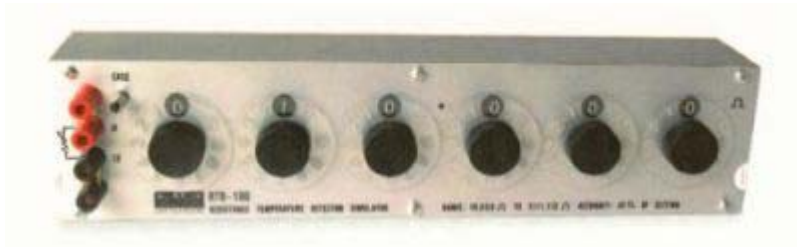




## Resistance Decades



RDS SERIES



DA SERIES

**RDS SERIES**

- Accuracies 0.1% or 0.025%
- 4, 5, 6 or 7 decades
- “Top of the line” GR performance
- Rotary switches, gold-plated contacts, low contact R
- Minimum Ohms = 0
- OEM models available on special order

**DA SERIES**

- Accuracies .01% or 0.1%
- 3, 4,5,6 or 7 decades
- Less than one-half the cost of RDS units
- Easy to use, economical thumbwheel switches
- Two mechanical configurations

Note: GR Decade Boxes as RTD Simulators

When the ultimate in accuracy is required, GR's RTD-100X or RTD-100RTD should be used

These have absolute accuracy of  $\pm 0.005\%$  and  $\pm 0.01\%$  respectively.

Due to "O" R and contract R at 100 ohms an RDS 52A can be off  $\pm 0.019\%$ .

## SPECIFICATIONS

	Resist-O-Stat (RDS)	Dial-An-Ohm (DA) High Accuracy <"X" Version>
Accuracy of setting deviation from "zero" resistance	$\pm (0.01\% + .0015 \text{ Ohm})$	$\pm 0.01\% + .010 \text{ Ohm}$
"Zero" resistance, Ohm/decade Resistor Tempco $\pm$ ppm / $^{\circ}\text{C}$	0.0015 maximum 15 max 3 typical / 5 maximum	0.015 typical/0.025 max 10 typical / 20 maximum 3 typical / 5 maximum

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## Resistance Decades.



10 Ohm and Below 100 Ohm and Above		
Resistor Stability ( $\pm$ ppm) 24h/1 yr	10- maximum /25 maximum	10 maximum /35 maximum
Resistor power rating, watts (max)	0.5 @ 125 °C	0.2 @ 125 °C
Switch life rating, operations	>100,000	50,000
Breakdown voltage, Vrms max	1500	750
Decade voltage limits	300 VDC maximum/resistor	300 VDC maximum/resistor
Size (HxWxD) in. (mm)	4 x 17 x 3-1/8" (102 x 432 x 79mm)	Depends on configuration
Note	The DA comes in (2) versions. The -1 is an OEM style without housing and the -3 is a bench unit (pictured).	

CAT NO.	MODEL	DESCRIPTION
GRDS41	RDS-41A	RDS41: DECADE BOX, 0.01% ACRC RESISTANCE, 4 DECADES
GRDS42	RDS-42S	RDS42: DECADE BOX, 0.01% ACRC RESISTANCE, 4 DECADES
GRDS43	RDS-43A	RDS43: DECADE BOX, 0.01% ACRC RESISTANCE, 4 DECADES
GRDS44	RDS-44A	RDS44: DECADE BOX, 0.01% ACRC RESISTANCE, 4 DECADES
GRDS45	RDS-45A	RDS45: DECADE BOX, 0.01% ACRC RESISTANCE, 4 DECADES
GRDS46	RDS-46A	RDS46: DECADE BOX, 0.01% ACRC RESISTANCE, 4 DECADES
GRDS52	RDS-52A	RDS52: DECADE BOX, 0.01% ACRC RESISTANCE, 5 DECADES
GRDS53	RDS-53A	RDS53: DECADE BOX, 0.01% ACRC RESISTANCE, 5 DECADES
GRDS54	RDS-54A	RDS54: DECADE BOX, 0.01% ACRC RESISTANCE, 5 DECADES
GRDS55	RDS-55A	RDS55: DECADE BOX, 0.01% ACRC RESISTANCE, 5 DECADES
GRDS56	RDS-56A	RDS56: DECADE BOX, 0.01% ACRC RESISTANCE, 5 DECADES
GRDS63	RDS-63A	RDS63: DECADE BOX, 0.01% ACRC RESISTANCE, 6 DECADES
GRDS64	RDS-64A	RDS64: DECADE BOX, 0.01% ACRC RESISTANCE, 6 DECADES
GRDS65	RDS-65A	RDS65: DECADE BOX, 0.01% ACRC RESISTANCE, 6 DECADES
GRDS66	RDS-66A	RDS66: DECADE BOX, 0.01% ACRC RESISTANCE, 6 DECADES
GRDS67	RDS-67A	RDS67: DECADE BOX, 0.01% ACRC RESISTANCE, 6 DECADES
GRDS74	RDS-74A	RDS74: DECADE BOX, 0.01% ACRC RESISTANCE, 7 DECADES
GRDS76	RDS-76A	RDS76: DECADE BOX, 0.01% ACRC RESISTANCE, 7 DECADES

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## Resistance Decades.



GRDS77	RDS-77A	RDS77: DECADE BOX,0.01% ACRC RESISTANCE, 7 DECADES
GRDA31X	DA31-1X	HIGH ACCURACY DECADE RESIST. SUBS.
GRDA32X	DA32-1X	DECADE BOX,0.01%ACC RESISTANCE,3 DECADES
GRDA33X	DA33-1X	DECADE BOX,0.01%ACC RESISTANCE,3 DECADES
GRDA34X	DA34-1X	DECADE BOX,0.01%ACC RESISTANCE,3 DECADES
GRDA35X	DA35-1X	DECADE BOX,0.01%ACC RESISTANCE,3 DECADES
GRDA36X	DA36-1X	DECADE BOX,0.01%ACC RESISTANCE,3 DECADES
GRDA41X	DA41-1X	.01% RESISTANCE,3 DECADES
GRDA42X	DA42-1X	DECADE BOX,0.01%ACC RESISTANCE,4 DECADES
GRDA43X	DA43-1X	DECADE BOX,0.01%ACC RESISTANCE,4 DECADES
GRDA44X	DA44-1X	DECADE BOX,0.01%ACC RESISTANCE,4 DECADES
GRDA45X	DA45-1X	DECADE BOX,0.01%ACC RESISTANCE,4 DECADES
GRDA46X	DA46-1X	DECADE BOX,0.01%ACC RESISTANCE,4 DECADES
GRDA52X	DA52-1X	DA52-1X:DECADE BOX,0.01%ACC RESISTANCE,5 DECADES
GRDA53X	DA53-1X	DA53-1X:DECADE BOX,0.01%ACC RESISTANCE,5 DECADES
GRDA55X	DA55-1X	DA55-1X:DECADE BOX,0.01%ACC RESISTANCE,5 DECADES
GRDA56X	DA56-1X	DA56-1X:DECADE BOX,0.01%ACC RESISTANCE,5 DECADES
GRDA63X	DA63-1X	DA63-1X:DECADE BOX,0.01%ACC RESISTANCE,6 DECADES
GRDA64X	DA64-1X	DA64-1X:DECADE BOX,0.01%ACC RESISTANCE,6 DECADES
GRDA65X	DA65-1X	DA65-1X:DECADE BOX,0.01%ACC RESISTANCE,6 DECADES
GRDA66X	DA66-1X	DA66-1X:DECADE BOX,0.01%ACC RESISTANCE,6 DECADES
GRDA74X	DA74-1X	DA74-1X:DECADE BOX,0.01%ACC RESISTANCE,7 DECADES
GRDA65X	DA65-1X	DA65-1X:DECADE BOX,0.01%ACC RESISTANCE,6 DECADES
GRDA76X	DA76-1X	DA76-1X:DECADE BOX,0.01%ACC RESISTANCE,7 DECADES

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