

TEST AND MEASUREMENT (LAB) INSTRUMENTS

DC POWER SUPPLIES & DECADE BOX



MODEL AX503

Rugged and accurate power supplies can handle a direct short without causing damage

SPECIFICATIONS

MODEL	AX503
Number of Outputs	3
VOLTAGE	
Output 1 & 2	(0 to 30) Vdc
Output 3 (No display)	(2.7 to 5.5) Vdc
Display Resolution	100 mV
Basic Accuracy	± 0.5 % of Reading ± 1 ct
Residual Ripple	± 1 mVrms
LINE REGULATION	
± 10 % Line Voltage	± 0.03 % of Reading ± 2 mV
LOAD REGULATION	
(0 to 2.5) A	± 0.02 % of Reading ± 5 mV
(0 to 5) A	± 0.2 % Reading ± 10 mV
CURRENT	
Output 1 & 2	(0 to 2.5) A
Output 3	5 A max (no adjustment)
Resolution	10 mA
Basic Accuracy	± 0.5 % of Reading ± 1 ct
Limit Indicator	LED, Outputs 1, 2 and 3
Short-Circuit Protection	Electronic current limitation with voltage shutdown
Overheating Protection	Thermal protection
OUTPUT COUPLING	
Tracking	Output 1: Leader/Output 2: Follower Proportional Follower Tracking (0 to 100 % of Leader)
Series Mode	(0 to 60) Vdc/(0 to 2.5) A
Parallel Mode	(0 to 30) Vdc/(0 to 5) A
Power Supply	110 V, (50/60) Hz (220 V optional)

Consult factory for NIST Calibration prices

MODEL BR07

Bench top decade box that stands up to the task!

SPECIFICATIONS

TYPES	MULTIPLYING FACTOR IN Ω						
	1	10	100	1 k	10 k	100 k	1 M
Accuracy	1 % ± 10 mΩ						
Max Current mAdc	700 mA	200 mA	70 mA	20 mA	7 mA	1 mA	0.1 mA

Consult factory for NIST Calibration prices

For more product specifications visit: www.aemc.com/products/decade-boxes/

ACCESSORIES/REPLACEMENTS

CATALOG #2131.35

Replacement, 6 ft safety lead, 4 mm female to female for Decade Boxes

CATALOG NO.	DESCRIPTION
2130.07	DC Power Supply Model AX503 (Triple outputs, two (0 to 2.5) A; (0 to 30) Vdc; (2.7 to 5.5) Vdc)
2131.25	Resistance Decade Box Model BR07 (x1 Ω, x10 Ω, x100 Ω, x1 kΩ, x10 kΩ, x100 kΩ, x1 MΩ, 1 %)

FEATURES

- Dual (0 to 30) Vdc / (0 to 2.5) A outputs
- 5.5 V / 5 A output
- Series and parallel operation permit (0 to 60) V or (0 to 5) A output
- Low noise (< 1 mV ripple) and stable linear technology for clean output
- High efficiency toroidal transformers: no fan and low electromagnetic emissions
- Active protection against overloads, short circuits and overheating
- Unique variable tracking mode for leader/follower operation: follower or leader track proportionally to the original setting
- Simultaneous display of voltage and current
- Highly visible green (V) and red (A) LED displays

ACCESSORIES/REPLACEMENTS

CATALOG #2117.78

Lead set includes (2) color-coded (red/black) safety leads, (2) color-coded (red/black) alligator clips (1) ground lead (green), and (2) color-coded (red/black) grip probes



BR07



FEATURES

RESISTANCE DECADE BOX BR07

- Resistance box: 7 decades covering a range from 1 Ω to 11.11111 MΩ
- 11-position switches
- Output via 4 mm safety banana jacks
- Accuracy: 1 % ± 10 mΩ on all ranges