

TEST AND MEASUREMENT (LAB) INSTRUMENTS

DC POWER SUPPLIES & DECADE BOX

MODELS AX502 & AX503

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



SPECIFICATIONS

MODELS	AX502	AX503
Number of Outputs	2	3
VOLTAGE		
Output 1 & 2	0 to 30Vdc	
Output 3 (No display)	–	2.7 to 5.5Vdc
Display Resolution	100mV	
Basic Accuracy	±0.5% of Reading ±1ct	
Residual Ripple	±1mVrms	
LINE REGULATION		
±10% Line Voltage	±0.03% of Reading ±2mV	
LOAD REGULATION		
0 to 2.5A	±0.02% of Reading ±5mV	
0 to 5A	–	±0.2% Reading ±10mV
CURRENT		
Output 1 & 2	0 to 2.5A	
Output 3	–	5A max (no adjustment)
Resolution	10mA	
Basic Accuracy	±0.5% of Reading ±1ct	
Limit Indicator	LED, Outputs 1 and 2	LED, Outputs 1, 2 and 3
Short-Circuit Protection	Electronic current limitation with voltage shutdown	
Overheating Protection	Thermal protection	
OUTPUT COUPLING		
Tracking	Output 1: Master/Output 2: Slave Proportional Slave Tracking (0 to 100% of Master)	
Series Mode	0 to 60Vdc/0 to 2.5A	
Parallel Mode	0 to 30Vdc/0 to 5A	
Power Source	110V, 50/60Hz (220V 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	1k	10k	100k	1M
BR07	+						
Accuracy	1% ±10mΩ						
Max Current mAcc	700mA	200mA	70mA	20mA	7mA	1mA	0.1mA

For more product specifications visit www.aemc.com/products/decade-boxes/
Consult factory for NIST Calibration prices

ACCESSORIES/REPLACEMENTS

CATALOG #2131.35

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

CATALOG NO.	DESCRIPTION
2130.06	DC Power Supply Model AX502 (Dual outputs, 0 to 2.5A; 0 to 30Vdc)
2130.07	DC Power Supply Model AX503 (Triple outputs, two 0 to 2.5A; 0 to 30VDC; 2.7 to 5.5Vdc)
2131.25	Resistance Decade Box Model BR07 (x1Ω, x10Ω, x100Ω, x1kΩ, x10kΩ, x100kΩ, x1MΩ, 1%)

FEATURES

- Dual 0 to 30Vdc/0 to 2.5A outputs
- 5.5V/5A output (AX503)
- Series and parallel operation permit 0 to 60V or 0 to 5A output
- Low noise (<1mV 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 master/slave operation: slave or master 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 1Ω to 11.11111MΩ
- 11-position switches
- Output via 4mm safety banana jacks
- Accuracy: 1% ± 10mΩ on all ranges