



Models AX502 & AX503

Digital DC linear power supplies designed to meet the rigors of manufacturing, laboratory and education applications



► FEATURES

- Single and dual 0 to 30V_{DC}/0 to 2.5A outputs
- 5.5V/5A output (Model 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
- Compact design for bench tops
- Designed to EN 61010-1 safety standards

► SPECIFICATIONS

MODELS	AX502	AX503
Number of Outputs	2	3
VOLTAGE		
Output 1 & 2	0 to 30V _{DC}	0 to 30V _{DC}
Output 3 (No display)	–	2.7 to 5.5V _{DC}
Display Resolution	100mV	100mV
Basic Accuracy	±0.5% of Reading ± 1ct	±0.5% of Reading ± 1ct
Residual Ripple	±1mV _{rms}	±1mV _{rms}
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	0 to 2.5A
Output 3	–	5A max (no adjustment)
Resolution	10mA	10mA
Basic Accuracy	±0.5% of Reading ± 1ct	±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 60V _{DC} /0 to 2.5A	
Parallel Mode	0 to 30V _{DC} /0 to 5A	

► OPTIONAL ACCESSORIES



AX502 & AX503 Lead Set

Catalog #2117.78

Two color-coded leads, one ground lead (stripped), two alligator clips and two grip probes

CATALOG NO.	DESCRIPTION	PRICE	NIST CALIBRATION
2130.06	DC Power Supply Model AX502 (Dual outputs, 0 to 2.5A; 0 to 30V _{DC})	\$795.00	\$72.00
2130.07	DC Power Supply Model AX503 (Triple outputs, two 0 to 2.5A; 0 to 30V _{DC} ; 2.7 to 5.5V _{DC})	\$895.00	\$72.00
Accessories (Optional)			
2117.78	Lead – Set of 3, (2 Color-coded Safety Leads, 1 Ground Lead, 2 Color-coded Alligator Clips and 2 Color-coded Grip Probes) for Power Supply Models AX501-AX503	\$116.00	–

