Data Sheet

Single Output DC Power Supplies

Models 1710A, 1711A, 1715A, 1730A & 1735A

Model 1730A

Model 1735A

The 1710A and 1730A series are high quality, general purpose DC power sources. They provide exceptional accuracy with dual analog displays and coarse and fine voltage and current controls (1710A coarse/fine voltage control only)

Specifications	1710A	1711A	1715A	1730A	1735A
Output Voltage	0-30 V	0-60 V	0-60 V	0-30 V	0-30 V
Output Current	0-1 A	0-2 A		0-3 A	
Constant Voltage Operation					
Voltage Regulation	Line (120 VAC ±10%) <0.01% + 3 mV Load (no load - full load) <0.01% + 3 mV				
Recovery Time	<100 µs				
Ripple & Noise	<1 mV rms				
Temperature Coefficient	<300 ppm/°C				
Constant Current Operation					
Adjustable Current Range	5% to 100%				
Current Regulation	Line (120 VAC ±10%) <0.2% + 3 mA Load <0.2% + 3 mA				
Current Ripple	<3 mArms				
Metering					
Type	Analog	Analog	4-digit LED	Analog	4-digit LED
Voltmeter Range	0-32 V	0-64 V	0-99.99 V (green)	0-32V	0-99.99 V (green)
Voltmeter Accuracy	±2.5%	±2.5%	± (0.5% rdg +9 digits)	±2.5%	± (0.5% rdg +9 digits)
Ammeter Range					
High Range	0-1.04 A	0-2.2 A	0-9.999 A	(red) 0-3.2 A	0-9.999 A (red)
Low Range	0-0.26 A	0-0.55 A	-	0-0.53 A	-
Ammeter Accuracy	±2.5%	±2.5%	± (0.5% rdg +9 digits)	±2.5%	± (0.5% rdg +9 digits)
General					
Overload Protection	Current limiting, reverse polarity, overvoltage, short circuit				
Power Requirements	120 VAC ±10%, 60 Hz only (120/220/230/240 VAC ±10%, 50/60 Hz version available)				
Power Consumption	70 W	210 W	210 W	180 W	180 W
Operating Temperature	32 to 104 °F (0 to 40 °C), <75% R.H.				
Storage Temperature	5 to 158 °F (-15 to +70 °C), <85% R.H.				
Dimensions (H x W x D)	6.2" x 5.5" x 12.5" (158 x 140 x 318 mm)				
Weight	8 lb (3.6 kg)	12 lb (5.4 kg)	12 lb (5.4 kg)	10.5 lb (4.7 kg)	10.5 lb (4.7 kg)
Two-Year Warranty					
Included Accessories	Instruction manual & power cord				

Features & Benefits

- Continuously monitor voltage and current output on two analog meters
- Connect two supplies in parallel to double the current output
- Connect two supplies in series to double the voltage output
- Reliable, Durable
- Operate continuously at full load without overheating
- Fully overload protected
- Coarse and fine voltage controls
- Excellent regulation
- Very low ripple
- Constant voltage or constant current operation
- cUL certified

Technical data subject to change
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