

Analog DC Power Supply (0-30V, 0-1A) Model 1710A



- 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



1746A




1730A



1735A

Single Output DC Power Supplies

- Largest selection of voltage and current ratings ever offered
- Connect two supplies in parallel to double the current output
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- 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
- Continuously monitor voltage and current output on two meters
-  cUL Approved for models 1710A, 1711A, 1715A, 1730A, 1735A

Specifications

	1710A	1711A	1715A	1730A	1735A	1740A	1743A	models 1746A
Output Voltage	0-30 V	0-60 V	0-60 V	0-30 V	0-30 V	0-60 V	0-35 V	0-16 V
Output Current	0-1A	0-2 A		0-3 A		0-4 A	0-6 A	0-10A
Constant Voltage Operation								
Voltage Regulation								
Line (120VAC ±10%)	≤0.01% + 3 mV			≤0.2% + 2mV				
Load (no load - full load)	≤0.01% + 3 mV			≤0.04% + 2mV				
Recovery Time	≤100 μs			≤100 μs				
Ripple & Noise	≤1mV rms			≤1mV rms (Typical)				
Temperature Coefficient	≤300 ppm/°C			≤300 ppm/°C				
Constant Current Operation								
Adjustable Current Range	5% to 100%			5% to 100%				
Current Regulation								
Line (120VAC ±10%)	≤0.2% + 3mA			≤0.4% + 5mA				
Load	≤0.2% + 3mA			≤0.4% + 5mA				
Current Ripple	≤3mArms			≤3mArms				
Metering								
Type	Analog	Analog	4-digit LED	Analog	4-digit LED	Analog	4-digit LED	Analog
Voltmeter Range	0-32V	0-64V	0-99.99V (green)	0-32V	0-99.99V (green)	0-64V	0-99.99V (green)	0-16V
Voltmeter Accuracy	±2.5%	±2.5%	± (0.5% rdg + 9 digits)	±2.5%	± (0.5% rdg + 9 digits)	±2.5%	± (0.5% rdg + 9 digits)	±2.5%
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)	0-4.4 A	0-9.999 A (red)	0-11 A
Low Range	0-0.26 A	0-0.55 A		0-0.53 A		0-1.1 A		0-2.2 A
Ammeter Accuracy	± 2.5%	± 2.5%	± (0.5% rdg + 9 digits)	±2.5%	± (0.5% rdg + 9 digits)	± 2.5%	± (0.5% rdg + 9 digits)	± 2.5%
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	70W	210W	210W	180W	180W	450W	420W	380W
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 (HxWxD)	6.2 x 5.5 x 12.5" (158 x 140 x 318 mm)					5.7 x 10.5 x 15" (145 x 267 x 381 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)	23 lb.(10.4 kg)	24 lb.(10.8 kg)	20 lb.(9 kg)

Accessories

Two Year Warranty

OPTIONAL: Hook-up leads - up to 5 amps Model TL-5A, up to 30 amps Model TL-30