

Single Output DC Power Supplies

Model 1735A, a dual 4-Digit Display, Single Output Digital DC Power Supply, its newly redesigned line of power supplies. Utilizing a standard 115VAC outlet as the power source, the new bench top unit provides the accuracy of dual 4-digit LED display offering 10mV and 1mA of resolution, a single voltage output of 00.00VDC to 30.00VDC at an output current of 0.000 to 3.000A. B&K newly designed power supplies offers an exceptional control and accuracy of dual high-resolution, 4-digit readouts at a very reasonable price and is an ideal supply for Educational, Service and Maintenance, and Manufacturing applications.



1730A

1735A

- Largest selection of voltage and current ratings ever offered
- 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
- Continuously monitor voltage and current output on two meters
- cUL Approved for models 1710A, 1711A, 1715A, 1730A, 1735A

Specifications					
	1710A	1711A	1715A	1730A	models 1735A
Output Voltage	0-30 V	0-60 V	0-60 V	0-30 V	0-30 V
Output Current	0-1A	0-2 A		0-3 A	
Constant Voltage Operation					
Voltage Regulation					
Line (120VAC ± 10%)	≤0.01% + 3 mV				
Load (no load - full load)	≤0.01% + 3 mV				
Recovery Time	≤100 μs				
Ripple & Noise	≤1mV rms				
Temperature Coefficient	≤300 ppm/°C				
Constant Current Operation					
Adjustable Current Limit	5% to 100%				
Current Regulation					
Line (120VAC ± 10%)	≤0.2% + 3mA				
Load	≤0.2% + 3mA				
Current Ripple	≤3mArms				
Metering					
Type	2-Analog	2-Analog	Dual 4-digit LED	2-Analog	Dual 4-digit LED
Voltmeter Range	0-32V	0-64V	0-99.99V (green)	0-32V	0-99.99V (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)
Overload Protection	Current limiting, reverse polarity, overvoltage, short circuit				
Power Requirements	120/220 VAC ±10%, 50/60 Hz				
Power Consumption	70W	210W	210W	180W	180W
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)				
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)
Accessories			Two Year Warranty		
SUPPLIED: Line Cord, Manual OPTIONAL: Hook-up leads - up to 5 amps Model TL-5A, up to 30 amps Model TL-30, TLPS					