

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 | | | | | |
|---|--|----------------|--------------------------|------------------|-------------------------|
| | models | | | | |
| | 1710A | 1711A | 1715A | 1730A | 1735A |
| Output Voltage | 0-30 V | 0-60 V | 0-60 V | 0-30 V | 0-30 V |
| Output Current | 0-1A | 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 | | | | | |