

Data Sheet



1744A

B+K Precision models 1744A and 1745A are a 0 to 35V, 0 to 10A DC Power Supply. These power supplies have all of the great features you would expect B+K Precision power supplies to have and some new features not normally seen on power supplies in this price range, including an output-shorting button. The output-shorting button allows the user to short the output terminals to set the current limit.



1745A

| Specifications | 1744A | 1745A |
|---|--|--------------------------------|
| Output Voltage | 0 to 35 VDC, Coarse and fine adjustment | |
| Output Current | 0 to 10 A | |
| Constant Voltage Operation | | |
| Voltage Regulation | Line (108 - 132): <0.2% + 2mV Load (no load to full load): <0.04% + 2mV | |
| Recovery Time | <100us typical | |
| Ripple Voltage | RMS <1mV | |
| Temperature Coefficient | 0° to +40°C <300 PPM/°C | |
| Constant Current Operation | | |
| Adjustable Current Limits | 5% to 100% | |
| Current Regulation | Line: (108 - 132V) <0.4% + 5mA Load: <0.4% + 5mA | |
| Current Ripple | <3mA typical | |
| Metering | | |
| Voltmeter | Range: 0 - 40V Accuracy: +2.5% | 0 - 99.99V ±0.7% + 9 digits |
| Amp meter | Hi Range: 0 to 11A Lo Range: 0 to 2.2A Accuracy: +2.5% | 0 - 99.99A ±0.7% + 9 digits |
| Power Requirements | | |
| Domestic | 120VAC +10%, 60 Hz | |
| International | 120, 220, 230, 240 VAC, 50/60 Hz | |
| Power Consumption Approximately 560 Watts or Less at full load | | |
| Temperature Range | | |
| Operation | 0° to +40°C <75% R.H. | |
| Storage | -15° to 70°C <85% R.H. | |
| Dimensions (H x W x D) 5.7" x 10.5" x 15" (145 x 267 x 381 mm) | | |