

Programmable DC Power Supply, 1-20VDC, 0-9.99A Model 1696



The 1696 Programmable Switching DC Power Supply uses new switching technologies to offer more power at a lower cost than traditional linear power supplies. The RS 232 interface allows you to either remotely control the power supply or program a sequence of different voltages and current limits that can be used in a automated test application.

- RS 232 interface
- Data logging capability
- Output disable
- Over voltage protection
- Constant voltage operation
- Constant current operation (current limiting)
- Easy-to-use
- Large easy to read LCD displays
- RS 232 to RS 485 Adapter required for RS 485 applications

Data Sheet

BK Precision's new models 1696, 1697, and 1698 DC Switching Mode Programmable Power Supplies offer 200 watts of power. This series of laboratory grade, switching mode, programmable power supplies are ideal for repetitive test routines in R&D, Production, Product Evaluation and various applications. Information appearing on the large back-lit LCD makes the panel controls simple and easy to use in spite of it's sophisticated features. Because of the MCU (Micro-Controller Unit) and the related software, user re-calibration without opening the case is an added bonus. When used with a standard PC, the supplied user friendly software and built in RS-232 interface provides two way communication improving the functionality of these unit. Data logging with color graphic display in adjusting range Voltage, Current, Watts, and time periods are all valuable tools in data analysis.



Specifications

	1696	1697	1698
Output Voltage:	1-20Vdc	1-40Vdc	1-60Vdc
Output Current:	0-10A	0-5A	0-3.3A
Ripple & Noise:	25mV	25mV	25mV
Load Regulation:	0.5%+200mV	0.5%+100mV	0.5%+100mV
Line Regulation:	50mV	50mV	50mV
Input Voltage:	90 – 265VAC, 50/60Hz		
Display meter:	4 digit – display LCD Ammeter, Voltmeter and Power meter		
Meter Accuracies:	1.5% + 2 counts		
LCD Module Back light:	48 x 6mm		
Cooling System:	thermostatic control fan		
Protection Devices:	Over Temperature, Tracking OVP		
Approvals:	CE		

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Specifications subject to change without notice