Data Sheet

B&K PRECISION
ELECTRONIC TEST INSTRUMENTS

Programmable DC Switching Power Supplies
Models 1696, 1697 & 1698

Model 1697

Common Features:

■ RS232 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

■ RS232 to RS485 Adapter required for RS485 applications

B&K Precision's 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	1-20 Vdc	1-40 Vdc	1-60 Vdc
Output Current	0-10 A	0-5 A	0-3.3 A
Ripple & Noise	25 mV <10 mArms		
Load Regulation	Voltage: 0.5%+200 mV Current: 0.2%	Voltage: 0.5%+100 mV Current: 0.2%	
Line Regulation	50 mV		
Input Voltage	90 – 265 VAC, 50/60 Hz		
Display meter	4 digit – display LCD ammeter, voltmeter and power meter		
Meter Accuracies	1.5% + 2 counts		
LCD Module Back light	48 x 6 mm		
Cooling System	Thermostatic control fan		
Protection Devices	Over temperature, tracking OVP		
Approvals	CE		
Dimensions (WxHxD)	7.6 x 3.85 x 8.46" (193 x 98 x 215mm)		
Weight	6.6 lbs. (3 Kg)		
	One Year Warranty		
Included Accessories	PC software, RS-232 cable and operation manual		