

Data Sheet

Programmable DC Switching Power Supplies

Models 1696, 1697 & 1698



Model 1697

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 its 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.

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

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		

Mouser Electronics

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