

# Single Output Programmable DC Power Supplies

If clean, stable and reliable power is what you are looking for then look not further.

These single output programmable DC power supplies are the newest offering from B+k Precision. They are rugged enough to provide power continuously for years and they are flexible enough to fit most any application.



9120

## Models 9120, 9121, 9122 Single Output Programmable DC Power Supplies

The 9120 series power supplies are designed to meet the needs of today's applications in R&D design verification, university labs, production testing, and other applications that require clean/reliable power and excellent performance. With meter resolution of 10mV and 1mA, these power supplies are ideal for low power surface mount circuits that require very precise voltage and current settings.

New microprocessor control circuitry allows these power supplies to offer unmatched temperature stability and remarkably fast transient response times with a load regulation of 0.01% + 3mV. These power supplies are smart enough to power-up in to the same state they were when they were powered off. This allows the units to go back to work as soon as power is restored whether the power-off was intentional or caused by a power outage. There is enough non-volatile memory to store up to 100 power supply settings allowing quick and easy testing when multiple voltage and current values are required.

- 10mV & 1mA Display Resolution
- RS 232 Interface
- SCPI Compatible
- Remote Sensing
- Front and Rear Output Terminals
- Low Noise
- Excellent Regulation
- Rock Solid Temperature Stability
- Fast Transient Response Time
- Closed Case Calibration

### Specifications

	9120	9121	9122
Output Voltage	0-30V	0-20V	0-60V
Output Current	0-3A	0-5A	0-2.5A

### Remote Interface

These power supplies come with an RS-232 interface. They allow you to program both voltage and current through a standard serial COM port. You can program and monitor all of the power supply parameters.



# Single Output Programmable DC Power Supplies

High Resolution LCD

Encoder Knob for Quick Analog Like Control

Fuse Accessible Line Cord Jack

Temperature Controlled Cooling Fan

Sheathed Safety Banana Jacks

Closed Case Calibration

Output ON/OFF Switch

RS-232 Interface

Rear Output and Remote Sensing Terminals

## Specifications

	models		
	9120	9121	9122
Output Voltage	0-30V	0-20V	0-60V
Output Current	0-3A	0-5A	0-2.5A
Constant Voltage Operation			
Voltage Regulation			
Line Regulation	≤ 0.01% + 3mV		
Load (Utilizing Remote Sensing)	≤ 0.01% + 3mV		
Recovery Time	≤ 50μs		
Ripple & Noise	≤ 0.5mVrms & 5mVp-p		≤ 1mVrms & 8mVp-p
Temperature Coefficient	≤ 0.02% + 2mV / °C		
Constant Current Operation			
Current Regulation			
Line	≤ 0.01% + 250μA		
Load	≤ 0.01% + 250μA		
Current Ripple	≤ 4mArms		
Temperature Coefficient	≤ 0.1% + 1mA / °C		
Metering			
Type	Backlit LCD		
Voltmeter Resolution	10mV		
Voltmeter Accuracy	≤ 0.05% + 5mV		
Current Meter Accuracy	≤ 0.15 + 5mA		
Current Meter Resolution	1mA		
Number of Memory Locations	100 user configurable states		
Overload Protection	Current limiting, Reverse Polarity, Over Voltage, Short Circuit		
Power Requirements	115V/ 230 VAC ± 10%, 47 to 63Hz (Selectable)		
Operating Temperature	32° to 104°F (0 to 40°C), <75% R.H.		
Storage Temperature	-4 to 158°F (-20 to +70°C), <85% R.H.		
Dimensions (HxWxD)	3.15" x 8.27" x 15" (8 x 21 x 38 cm)		
Weight	12.5 lb (5.6 kg)		

## Accessories

Two Year Warranty

SUPPLIED: Manual, Line Cord  
OPTIONAL: TL-5A, TL-30, TLPS



The 9120 series power supplies use 4mm sheathed safety banana jacks. These jacks are designed for safe interfacing and allow the units to meet the latest international safety standards.

For a list of available accessories, visit [www.bkprecision.com](http://www.bkprecision.com)