



### Description

The 9130B Series triple output linear programmable DC power supplies feature isolated outputs that can be adjusted independently or combined in series or parallel to output higher voltage or current. Additionally, these supplies can operate in tracking mode with user-configurable ratios between channels.

The front panel keys and rotary knob with convenient cursors let users quickly set voltage and current values. Up to 36 different instrument settings can be saved and recalled. The power-on state of the outputs can also be configured.

For remote control, the standard USB (USBTMC-compliant), RS232, and GPIB interfaces supporting SCPI commands can be used to remotely control the power supplies via a PC.

Alternatively, users can control the power supply, execute test sequences or log measurements using the provided PC software application. This software also integrates with Data Dashboard for LabVIEW apps enabling iOS, Android, or Windows 8 compatible tablets or smartphones to remotely monitor select measurement indicators.

These power supplies are suitable for a wide range of applications including production testing, telecommunications, R&D, electronic service, and labs.

### Features & Benefits

- Three independent and electrically isolated outputs
- Displays voltage and current settings for all three channels simultaneously
- Low noise, linear regulation
- High programming and readback resolution of 1 mV / 1 mA
- Series and parallel modes combine channels to increase the output voltage or current
- Tracking mode allows users to set up channels to maintain a programmed ratio
- Fully programmable channels with Output On/Off control
- Store and recall up to 36 instrument settings
- Remote sense
- Timer-controlled output function adjustable from 0.1 – 99999.9 s
- Standard USB (USBTMC-compliant), RS232, and GPIB interfaces supporting SCPI commands for remote control
- NI certified LabVIEW driver and softpanel for remote control, test sequence generation, and datalogging available
- Overvoltage (OVP) and overtemperature (OTP) protection including keylock function
- Compact 19" half-rack form factor allows for side-by-side rack mounting of two units

## Specifications

Model		9132B
Output Rating		
Voltage	0-60 V (Ch1 & Ch2), 0-5 V (Ch3)	
Current	0-3 A (Ch1, Ch2), 0-3 A (Ch3)	
Power	375 W	
Load Regulation		
Voltage	≤ 0.01%+3 mV	
Current	≤ 0.1%+3 mA	
Line Regulation		
Voltage	≤ 0.01%+3 mV	
Current	≤ 0.1%+3 mA	
Ripple & Noise		
Voltage	≤ 1mVrms	
Current	≤ 4 mArms	
Temperature Coefficient (0 °C to 40 °C) ± (% output + offset) (typical)		
Voltage	≤ 0.03% + 10 mV	
Current	≤ 0.1% + 5 mA	
Programming Resolution		
Voltage	1 mV	
Current	1 mA	
Readback Resolution		
Voltage	≤ 0.03% + 10 mV	
Current	≤ 0.1% + 5 mA	
Programming Accuracy ± (% output + offset)		
Voltage	≤ 0.03% + 10 mV	
Current	≤ 0.1% + 5 mA	
Readback Accuracy ± (% output + offset)		
Voltage	≤ 0.05% + 10 mA	
Current		
Series Accuracy (combined mode)		
Voltage	≤ 0.02% + 5 mV	
Current	≤ 0.1% + 20 mA	
Parallel Accuracy (combined mode)		
Voltage	≤ 0.02% + 5 mV	
Current	≤ 0.1% + 20 mA	
General		
Transient Response Time <sup>1</sup>	Ch1,Ch2	≤90 μs
	Ch3	≤80 μs
Rising Time at Full Load / No Load	Ch1,Ch2	≤100 ms
	Ch3	≤100 ms
Falling Time at Full Load	Ch1,Ch2	≤5 ms
	Ch3	≤4.5 ms
Falling Time at No Load	Ch1,Ch2	≤5 s
	Ch3	≤150 ms
Memory	4 memory groups with 9 locations in each group	
Timer	0.1 - 99999.9 seconds	
Remote Interface	USB (USBTMC-compliant), GPIB, RS-232	
AC Input	110/220 VAC (+/- 10 %), 47 Hz - 63 Hz	
Operating Temperature	32 °F to 104 °F (0 °C to 40 °C), relative humidity up to 80%	
Storage Temperature	-4 °F to 158 °F (-20 °C to 70 °C)	
Dimensions (W x H x D)	8.45" x 3.47" x 17.52" (214.5 x 88.2 x 445 mm)	
Weight	33.07 lbs. (15 kg)	
Standard Accessories	Power cord, instruction manual, test report, and certificate of calibration	
Optional Accessories	IT-E151 rack mount kit	